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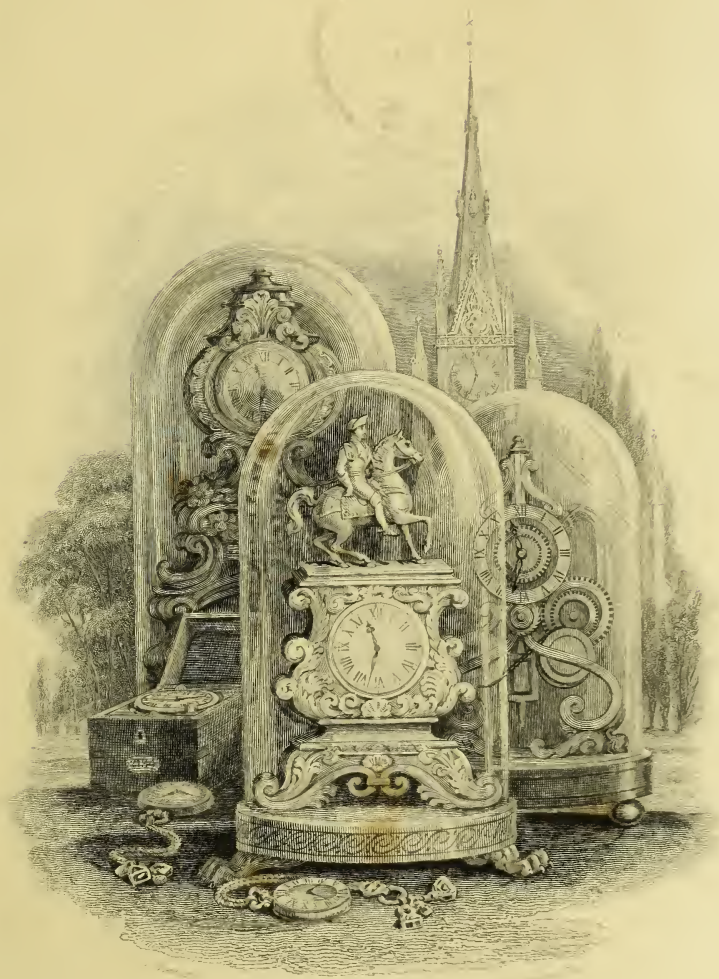
1850

CLOCK AND WATCH MAKING

THEORETICAL & PRACTICAL

BY

JOHN D. BROWN



NEW YORK

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P. 275

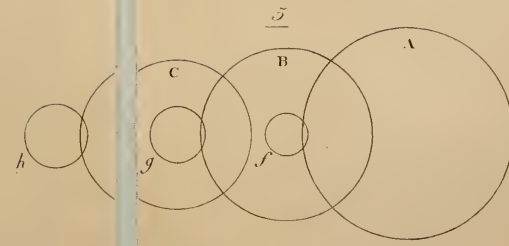
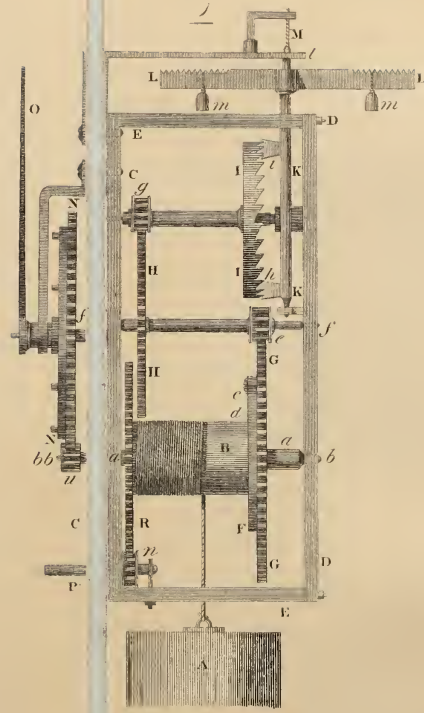
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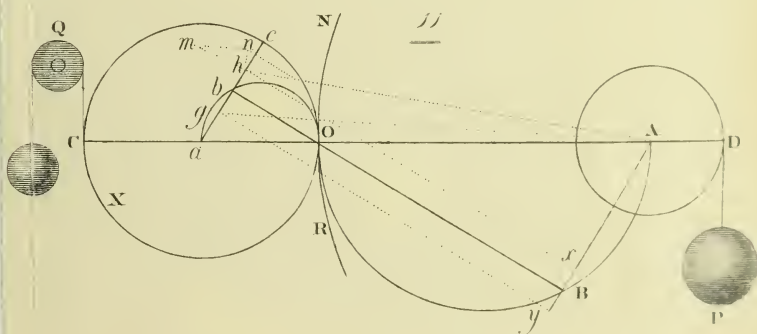
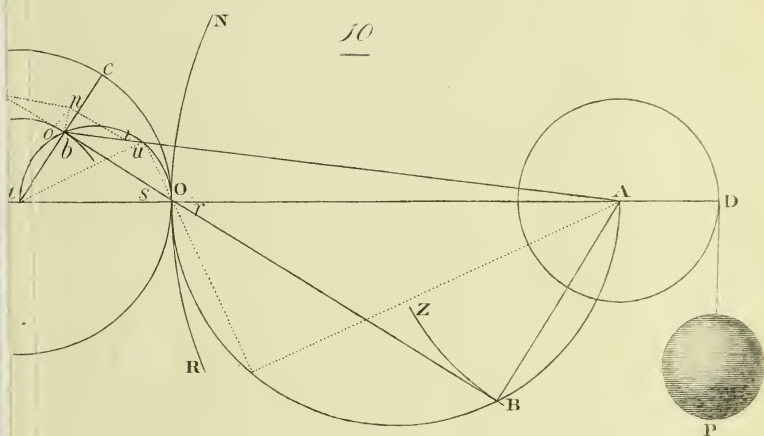
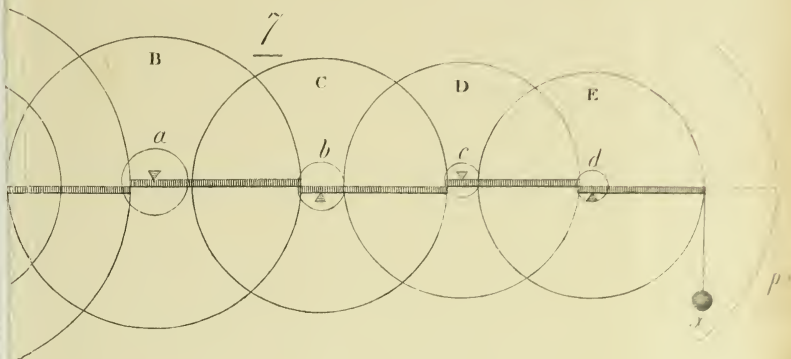
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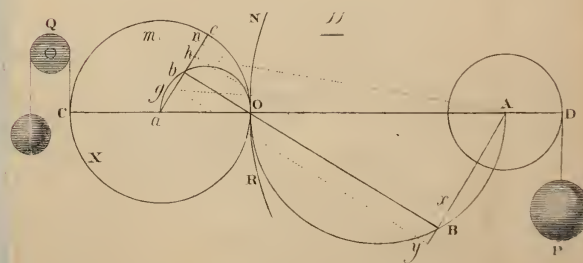
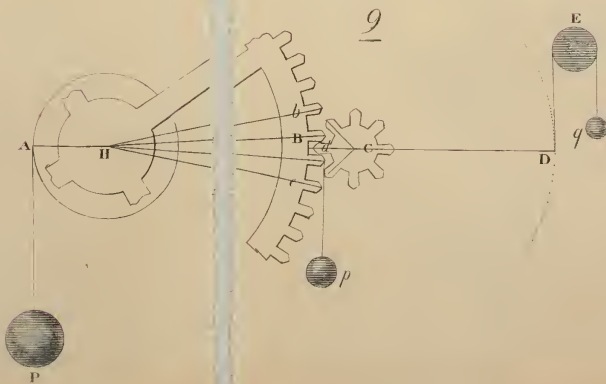
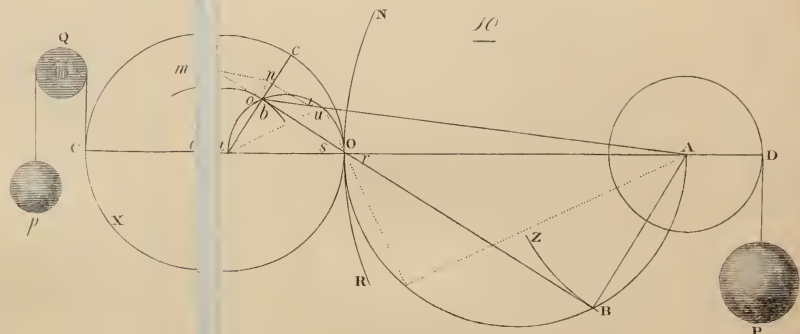
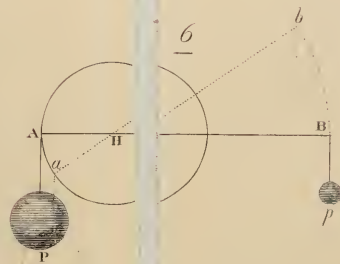
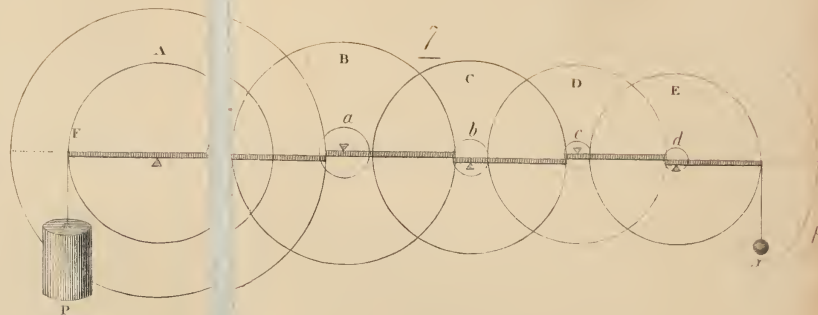
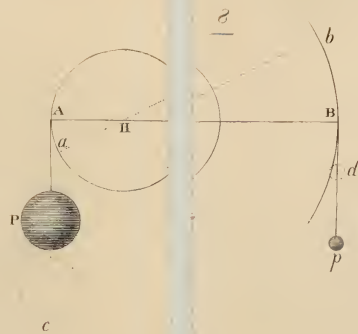
AN ANCIENT CLOCK BY VICK



1775
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PLATE II.





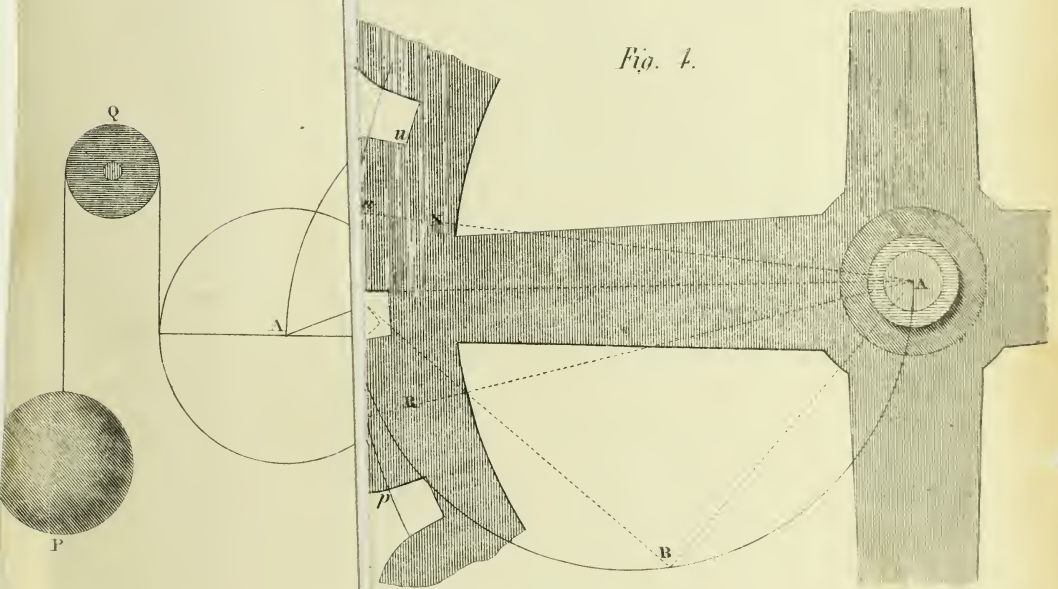
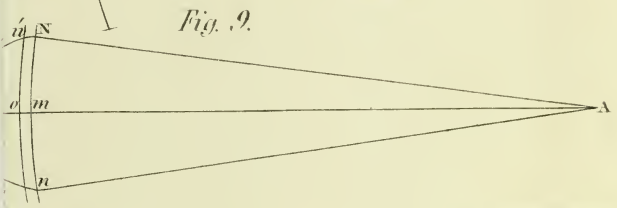


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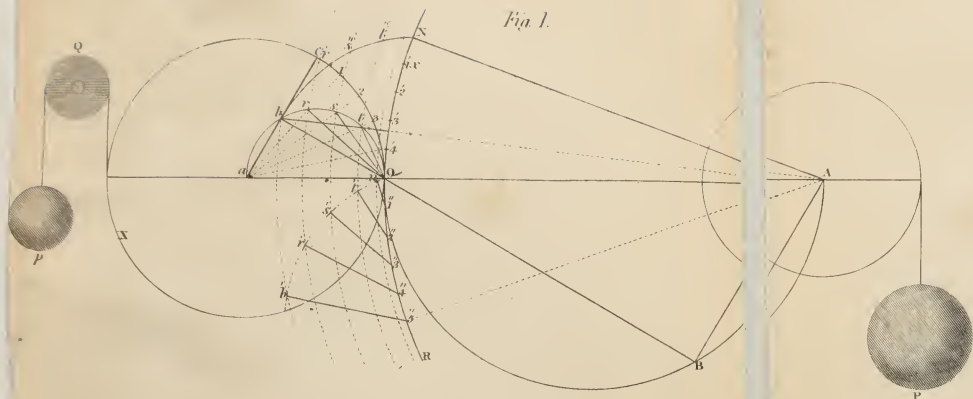


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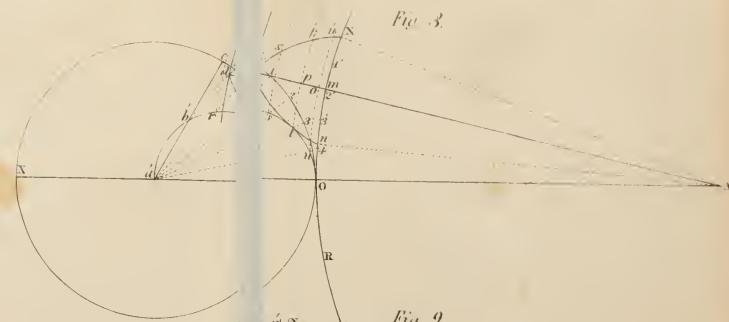


Fig. 9.

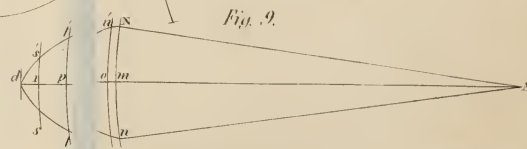


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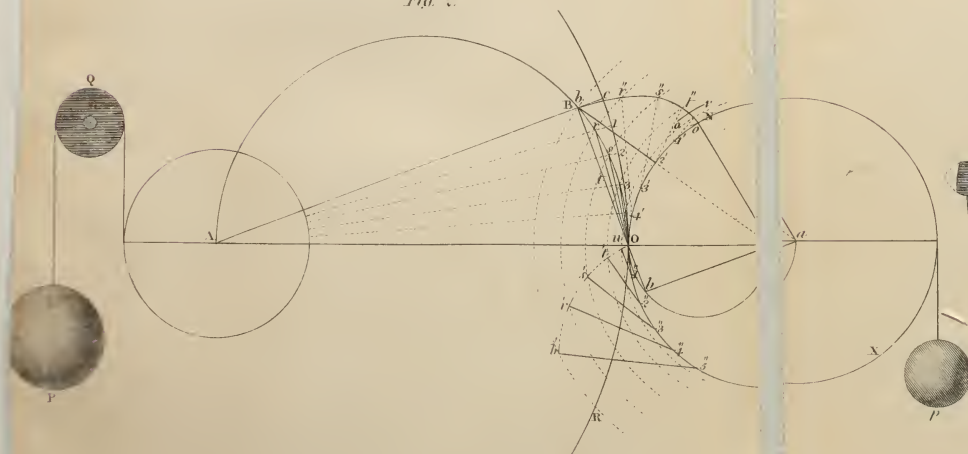


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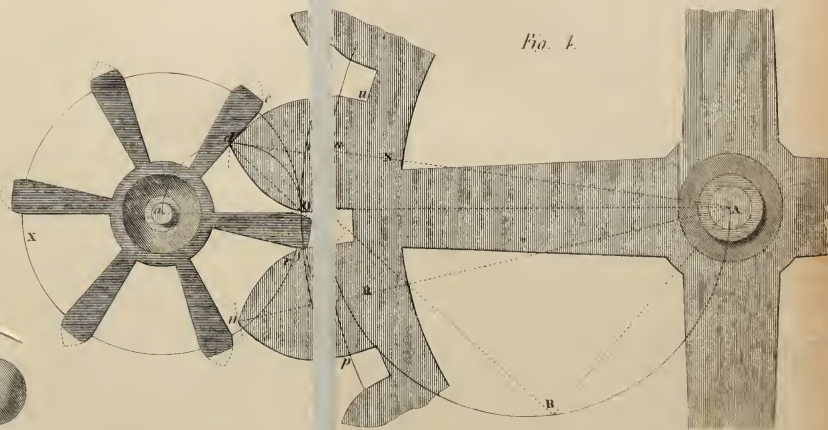
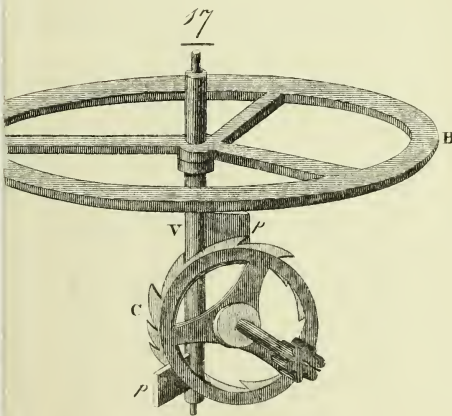
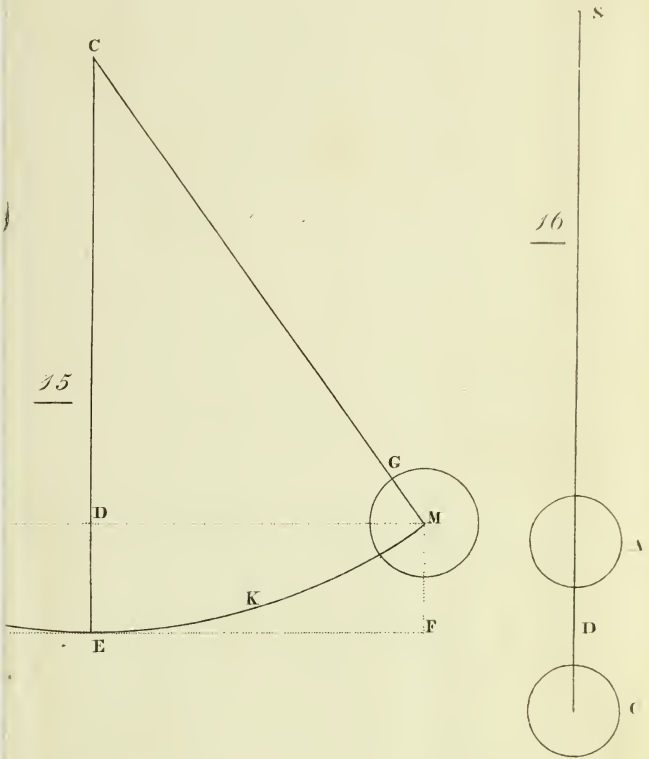


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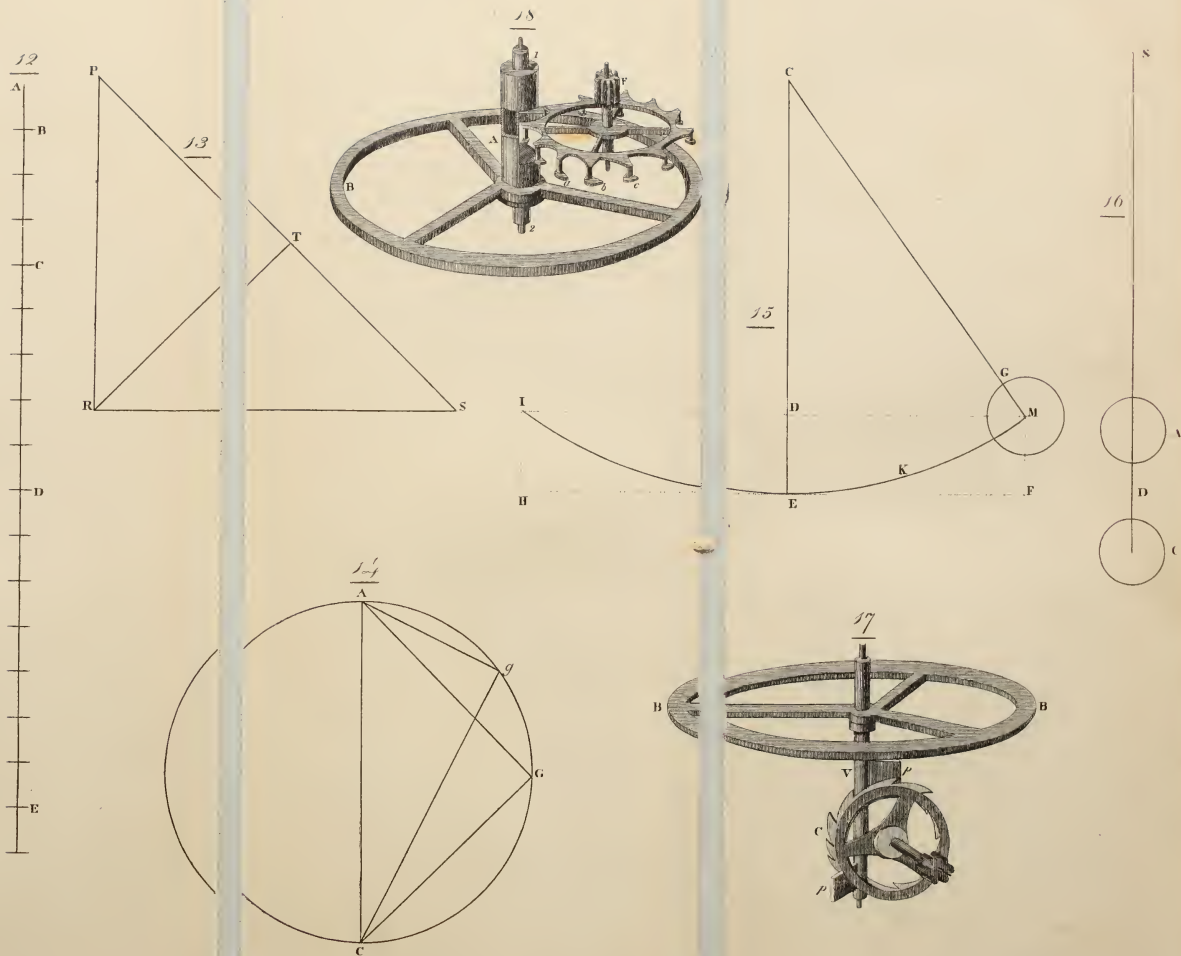
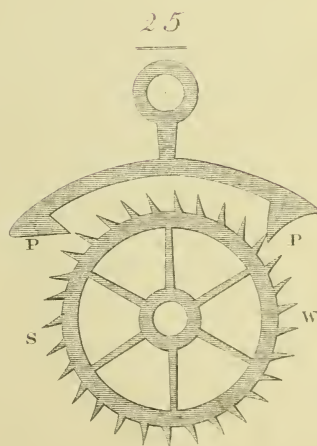
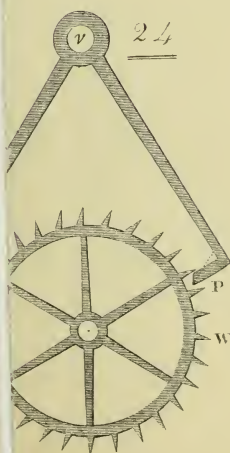
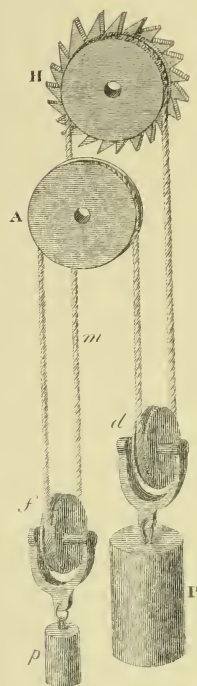
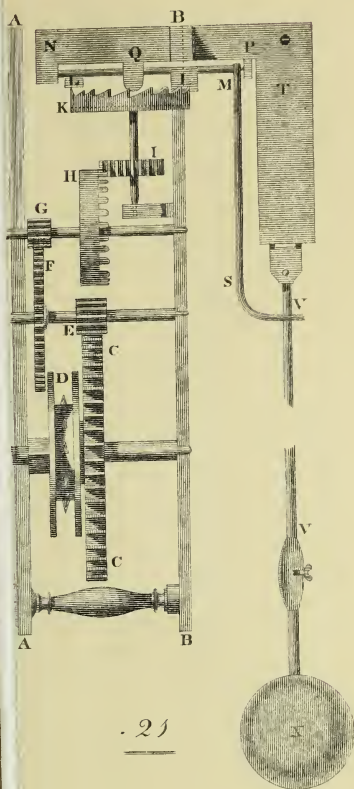


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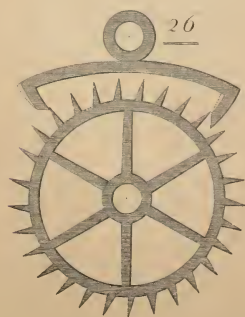
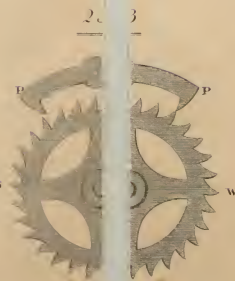
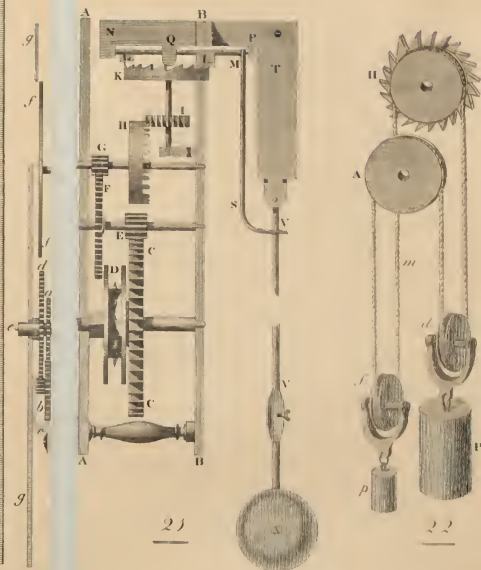
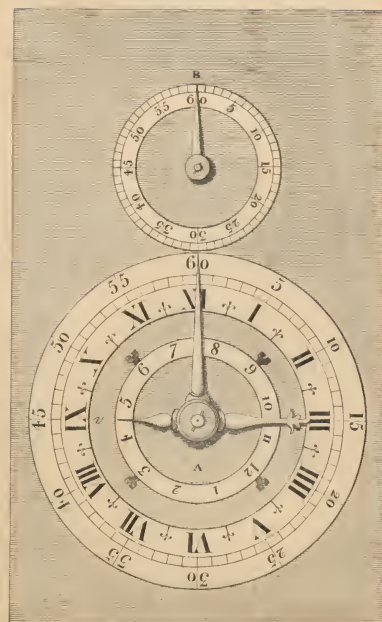
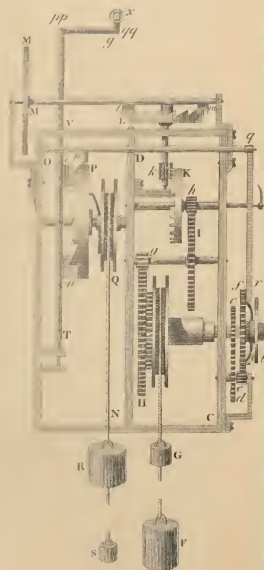
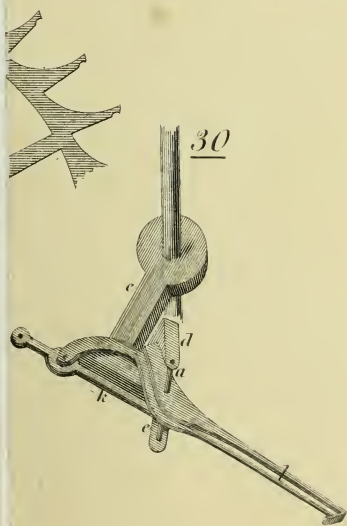
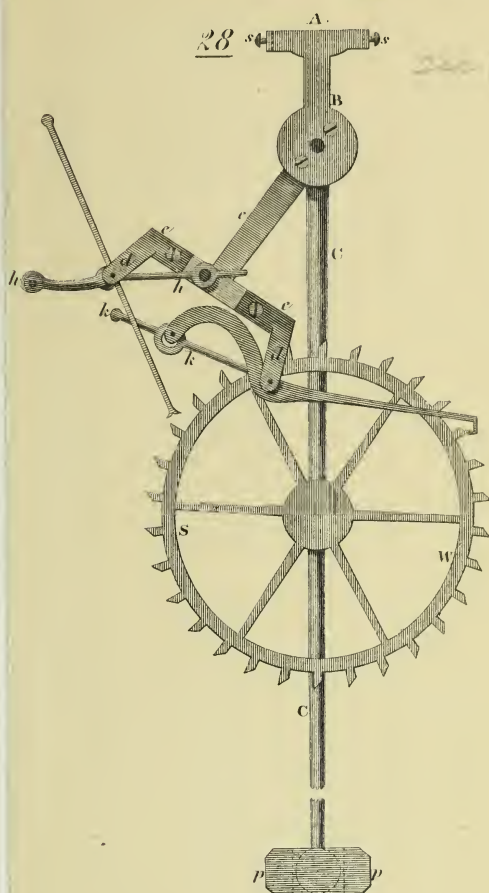
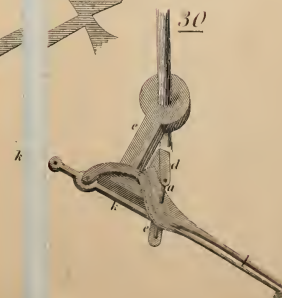
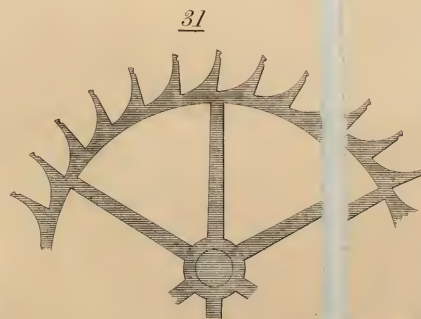
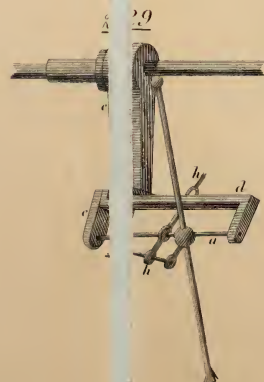
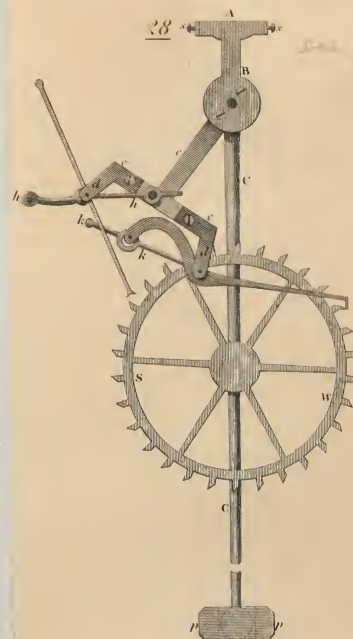
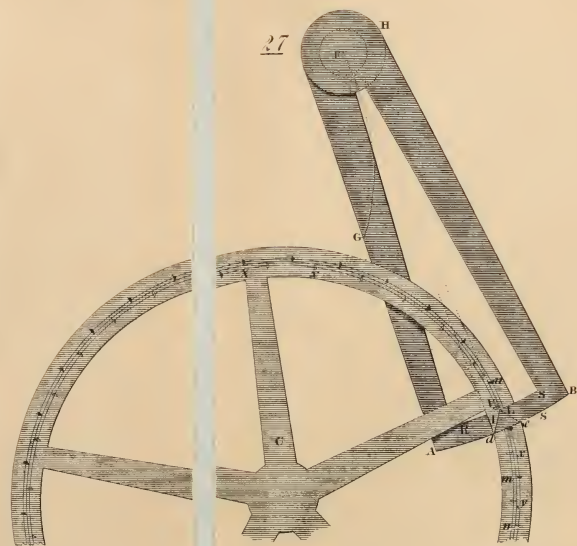
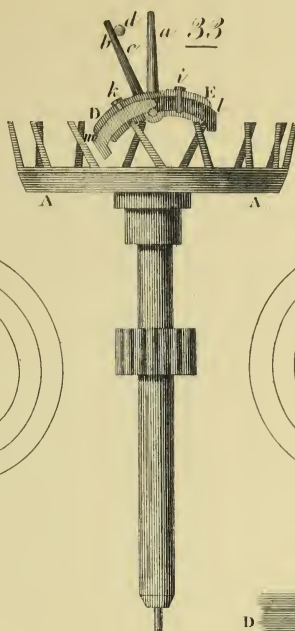


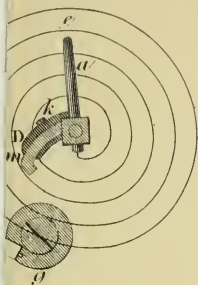
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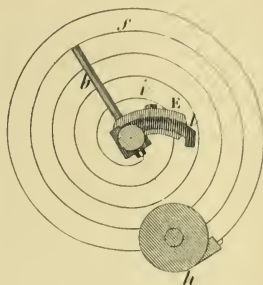




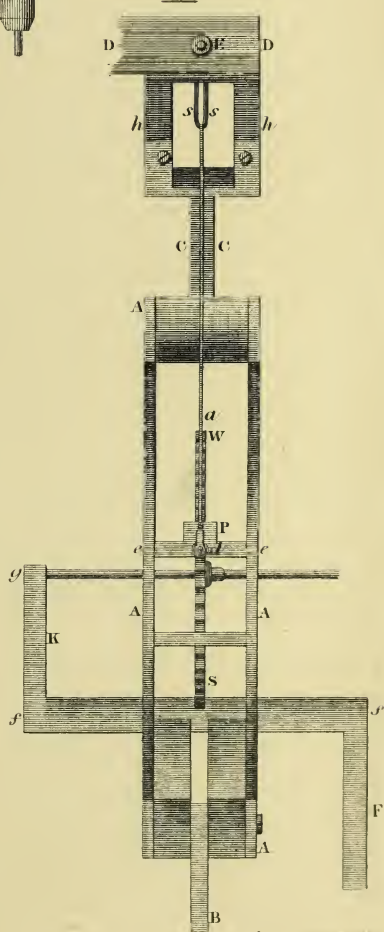
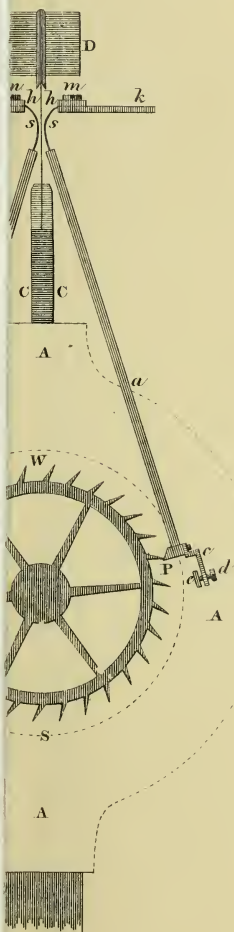
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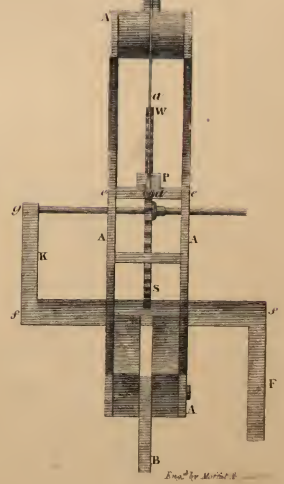
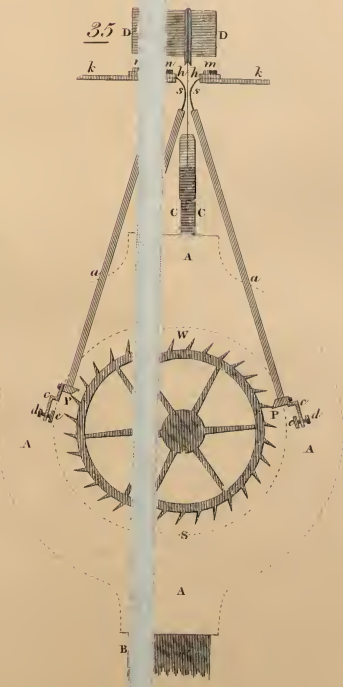
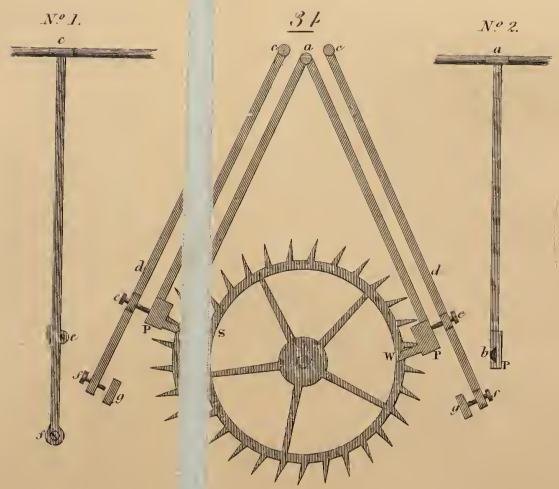
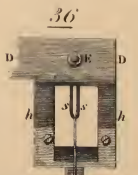
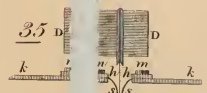
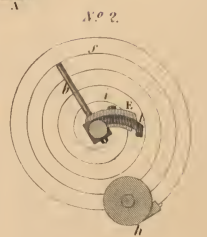
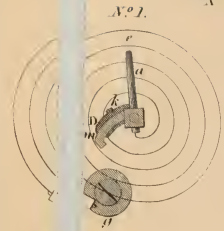
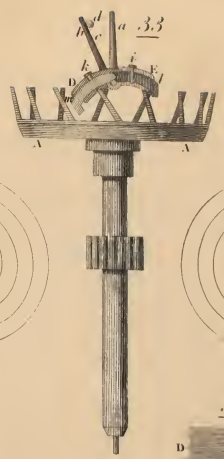
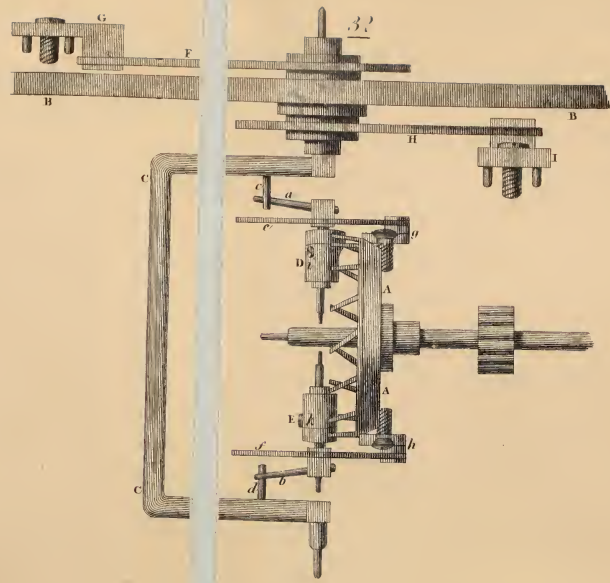


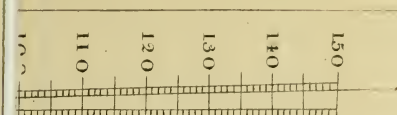
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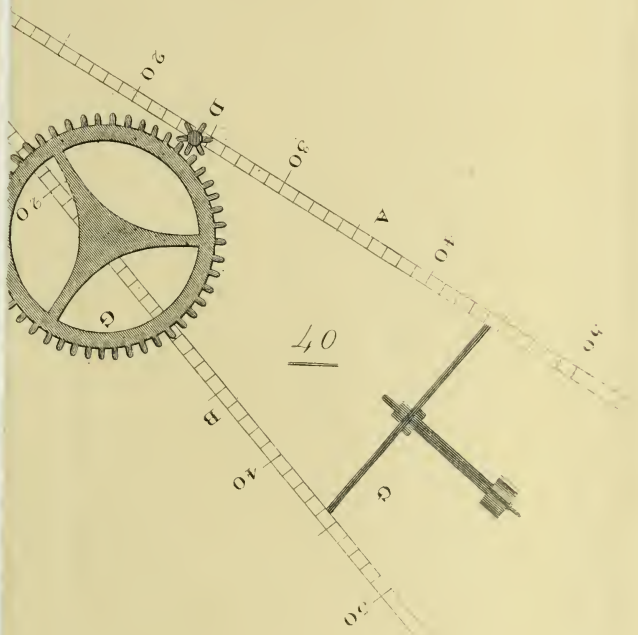
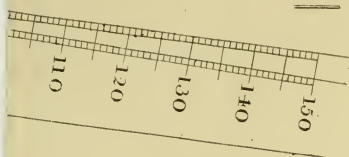
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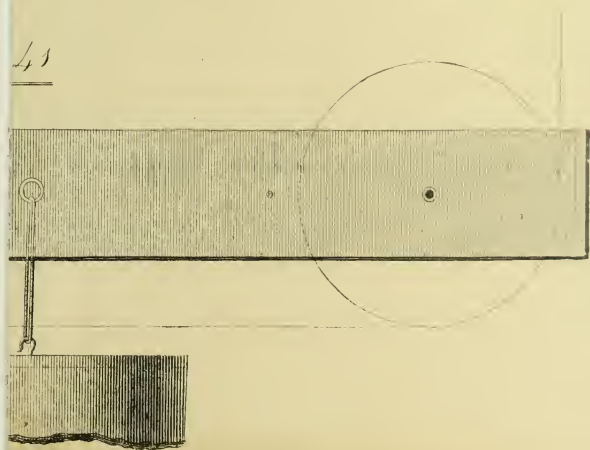


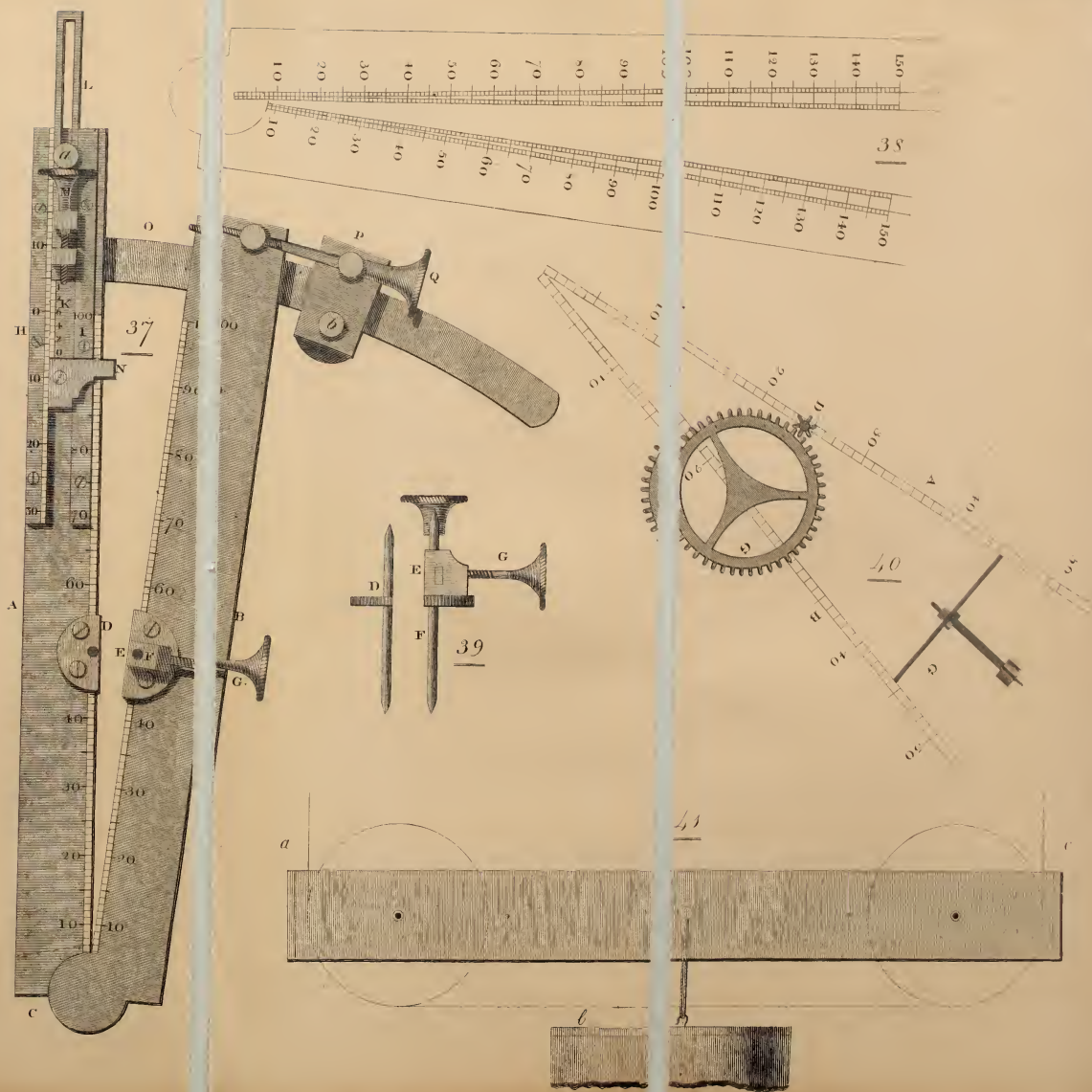


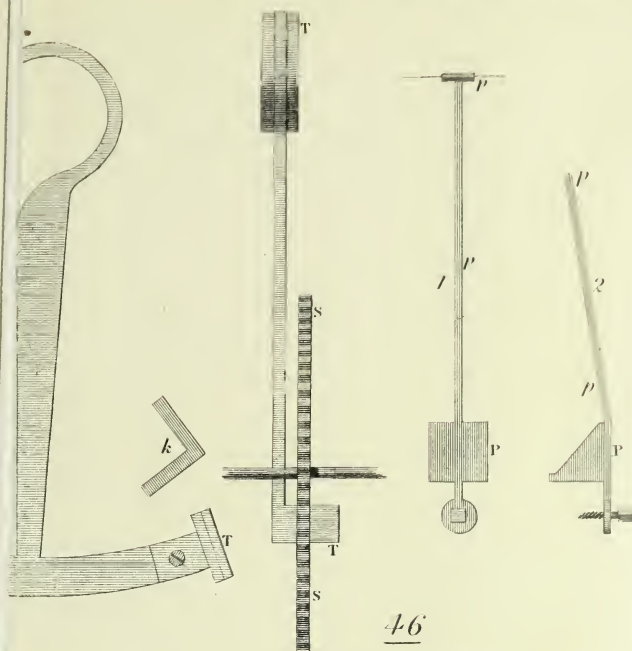
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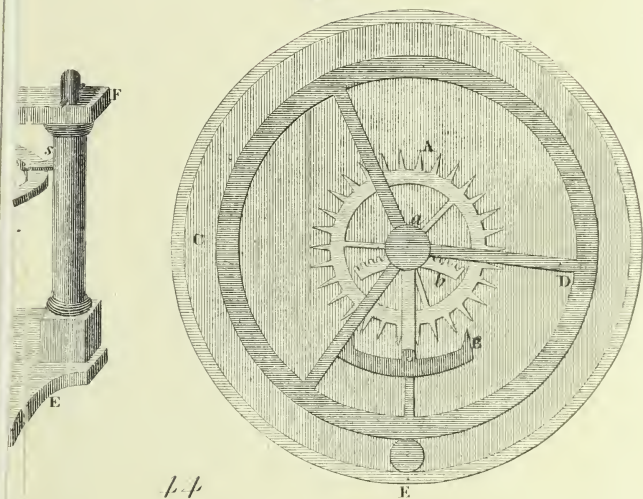
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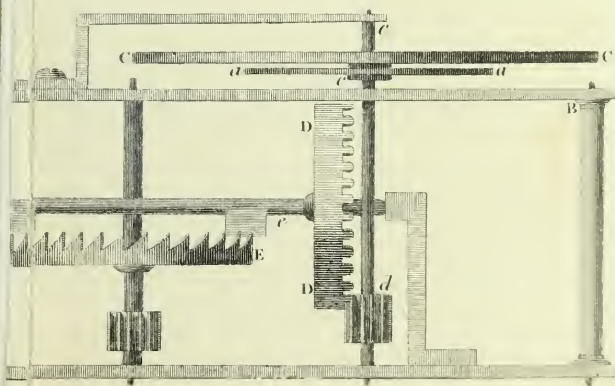




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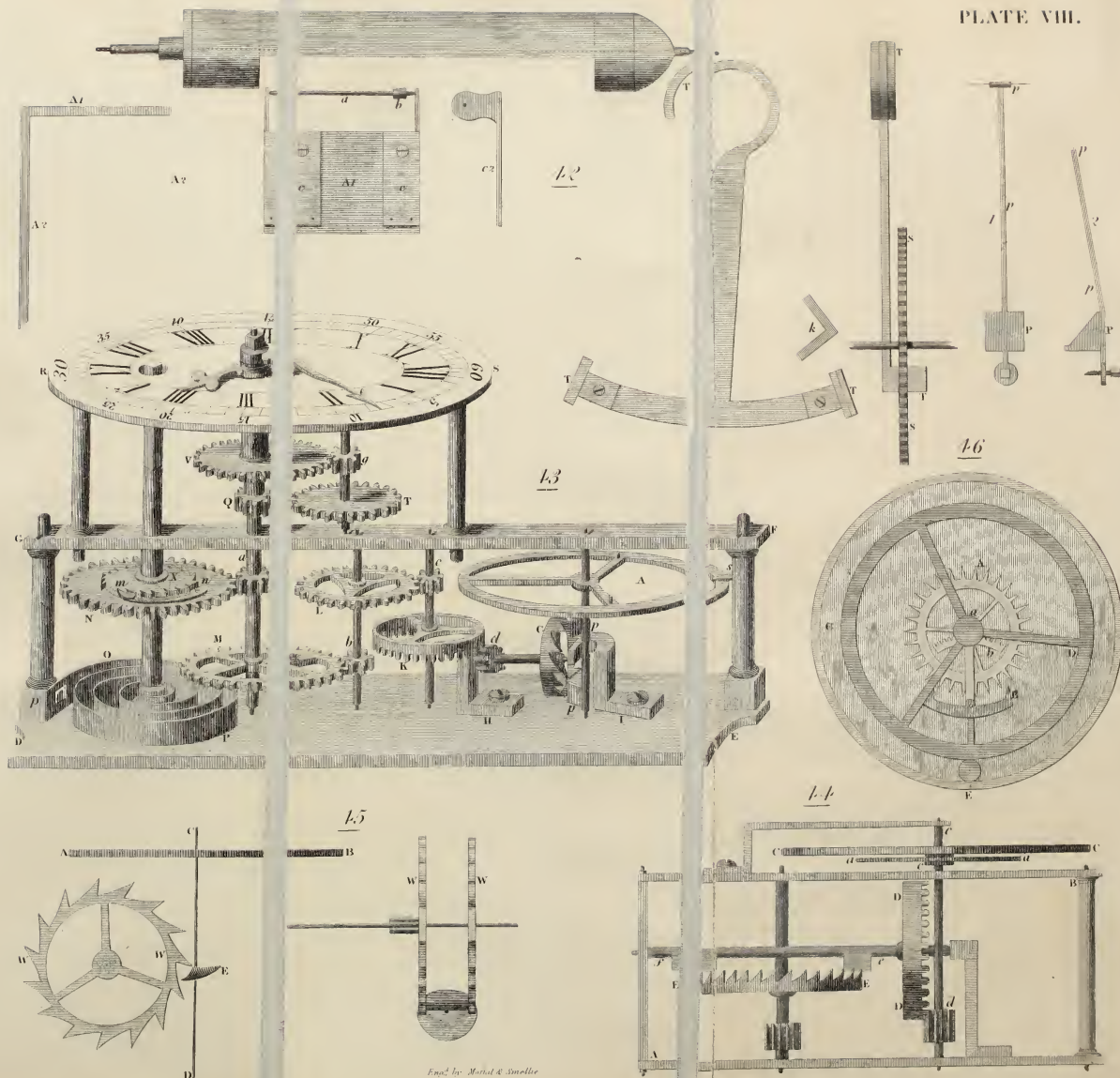
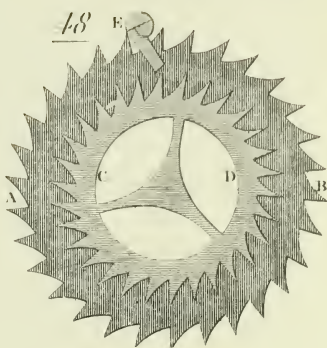


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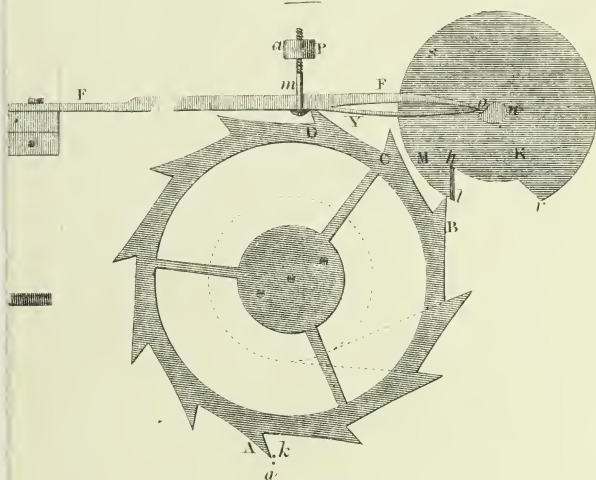
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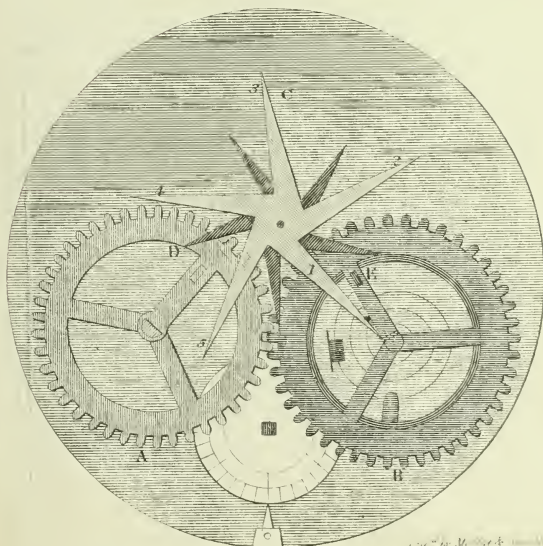
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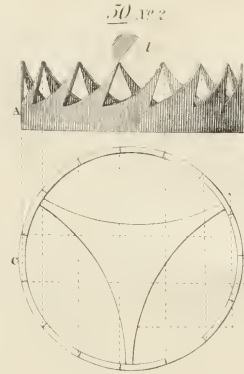
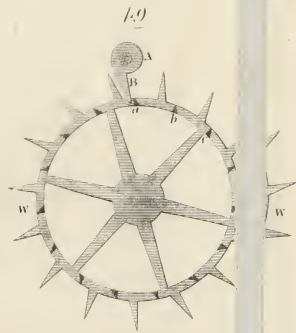


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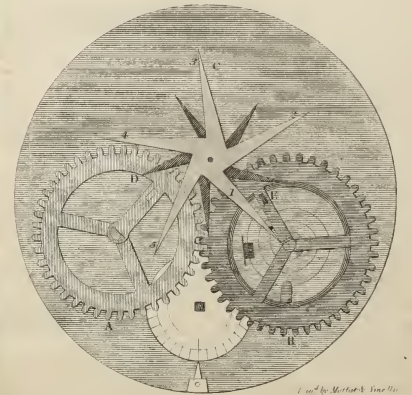
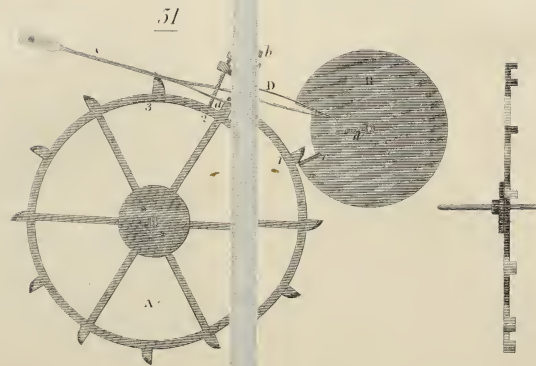
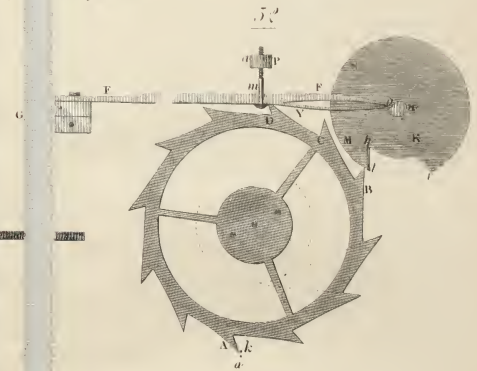
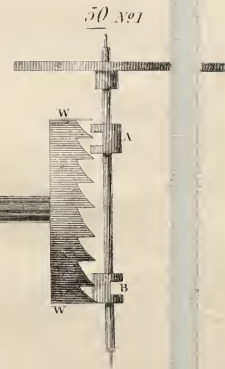
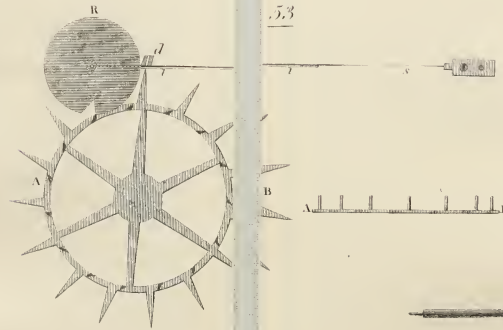
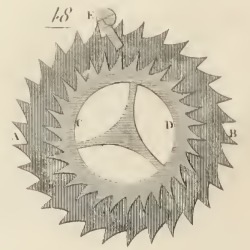


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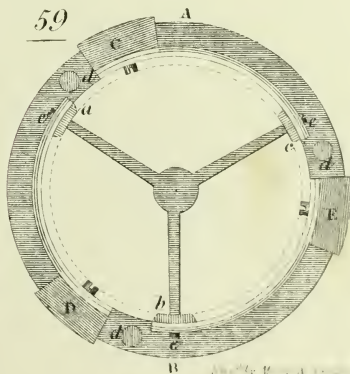
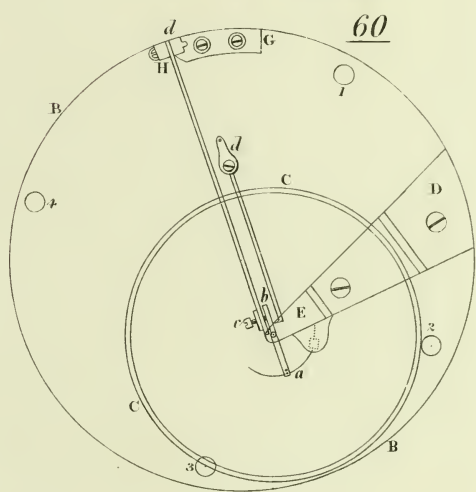
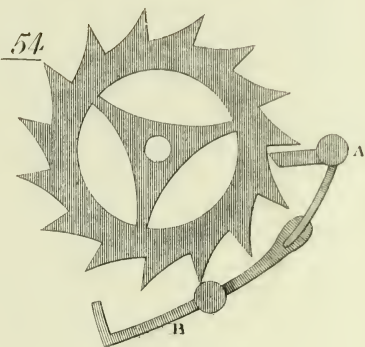
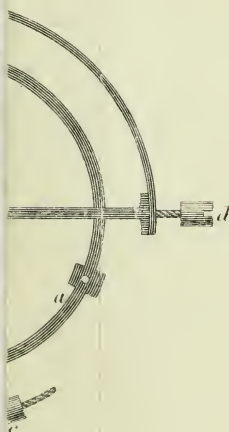
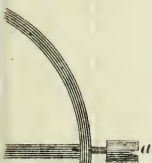


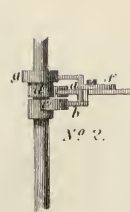
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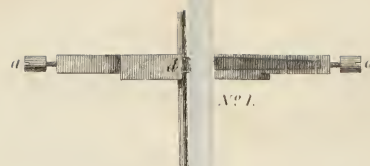




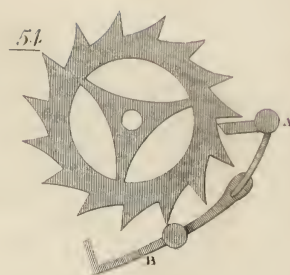
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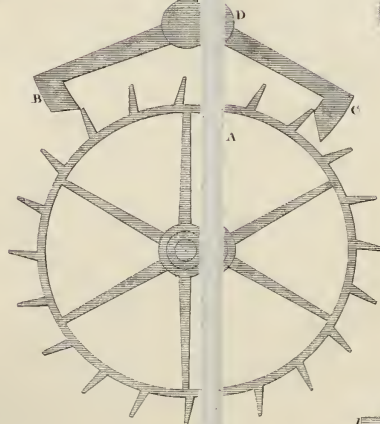
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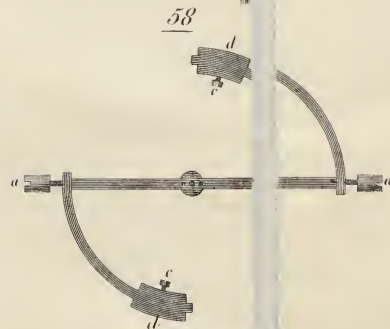
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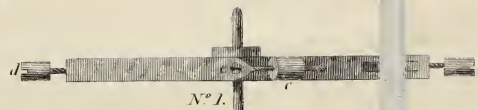
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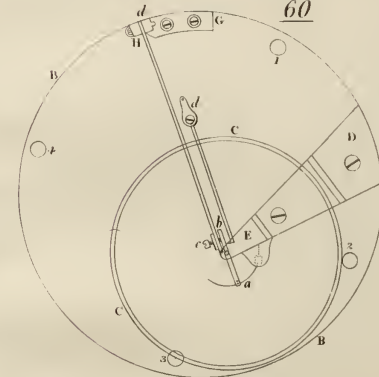
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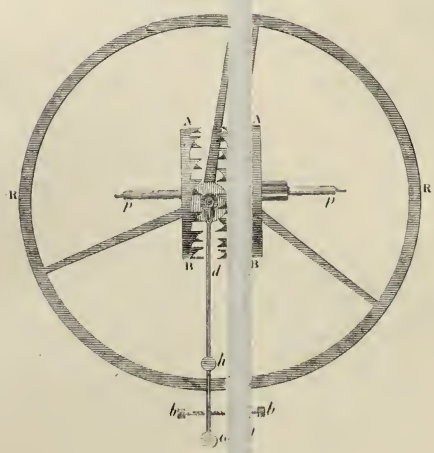
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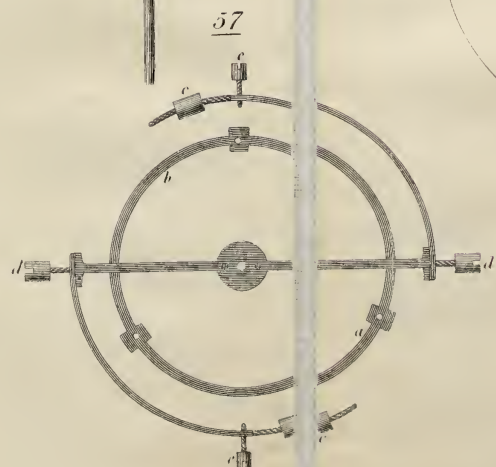
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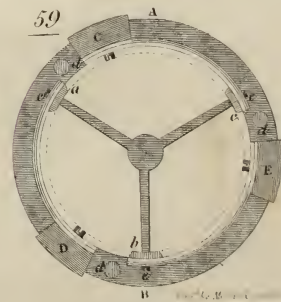
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61

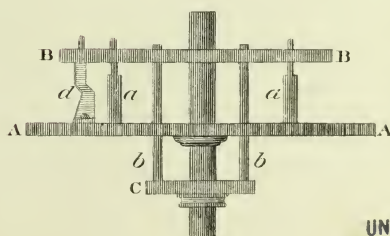
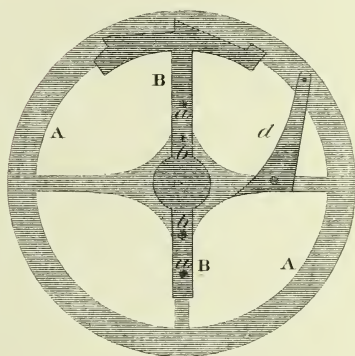
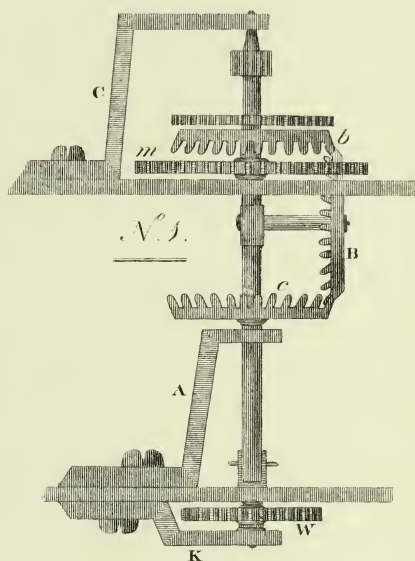


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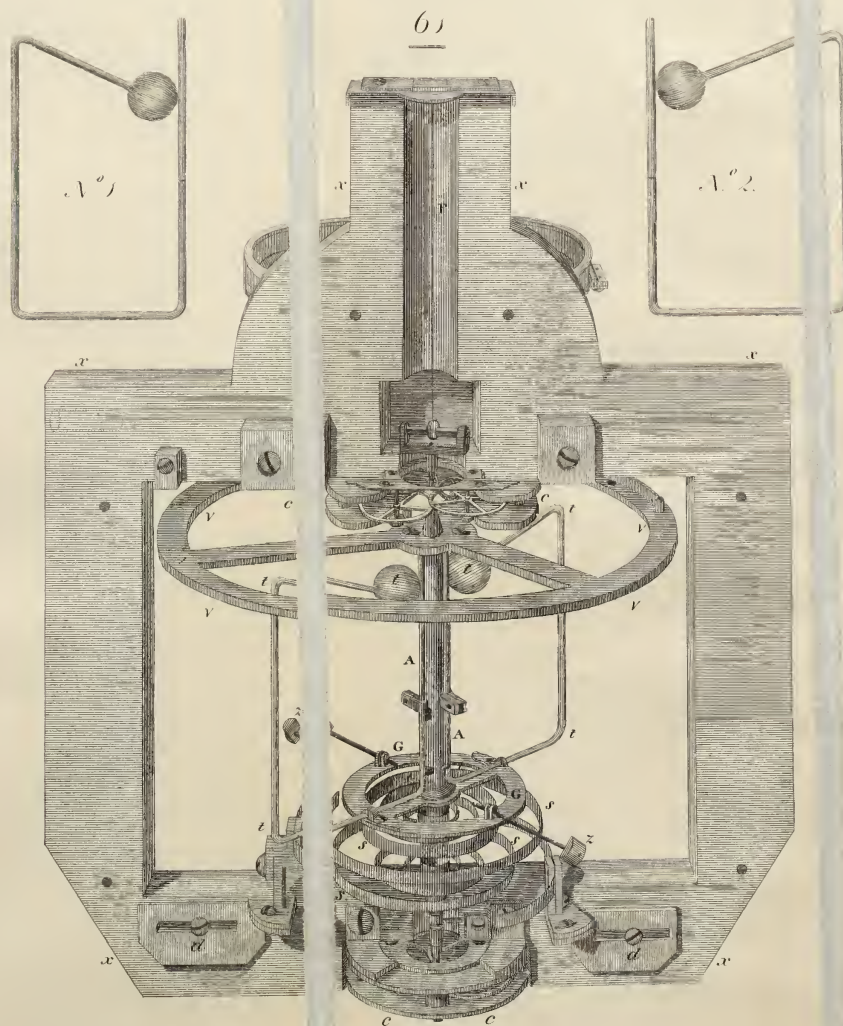
PLATE XI.

WHEEL WORK FOR EQUATION OF TIME &c.

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LE ROY'S MARINE TIME-KEEPER.



WHEEL WORK FOR EQUATION OF TIME &c.

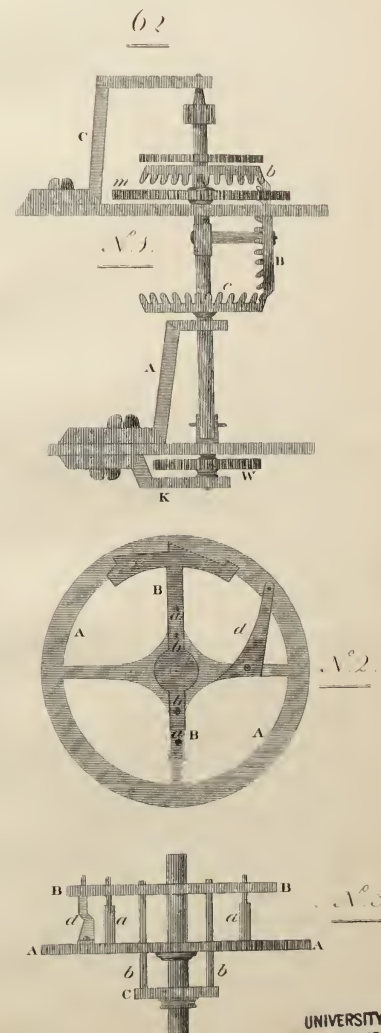
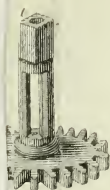
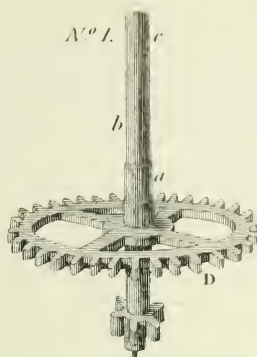


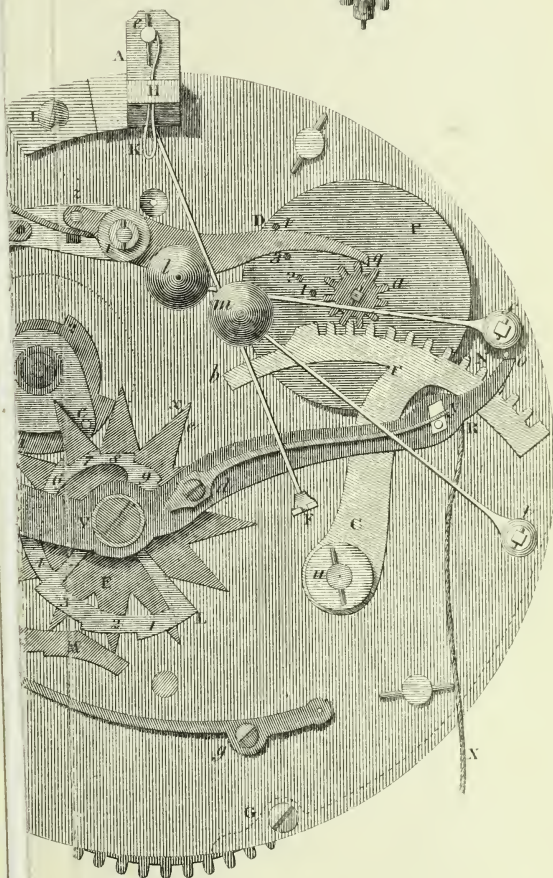
Fig. 2.



N^o 1.



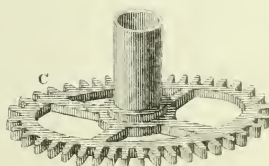
64.

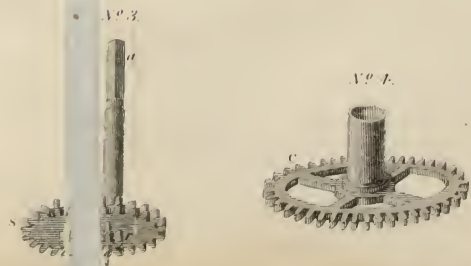
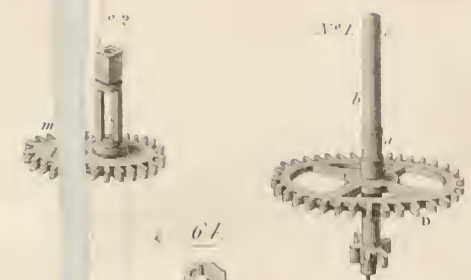
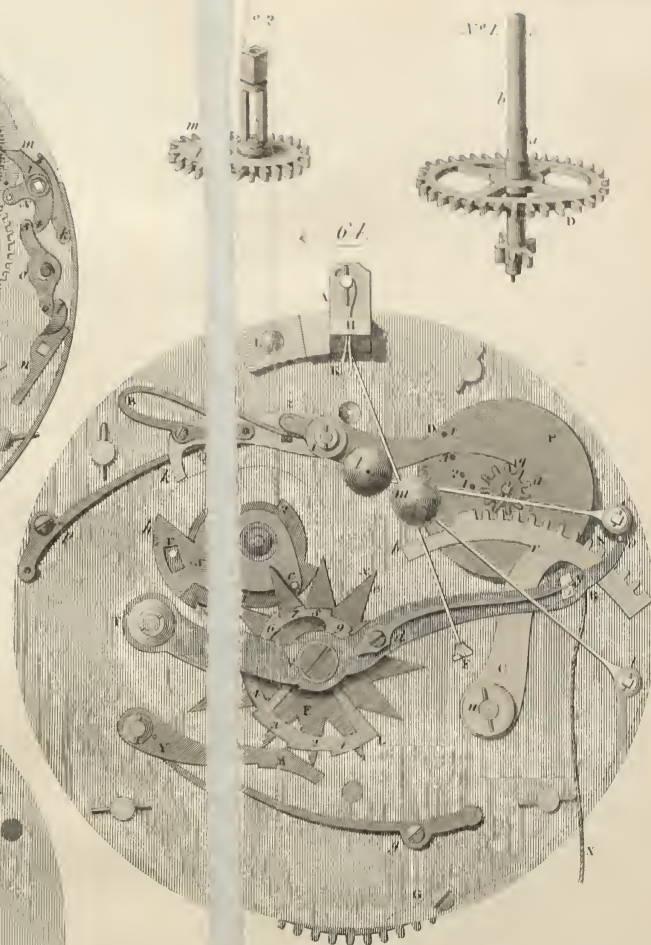
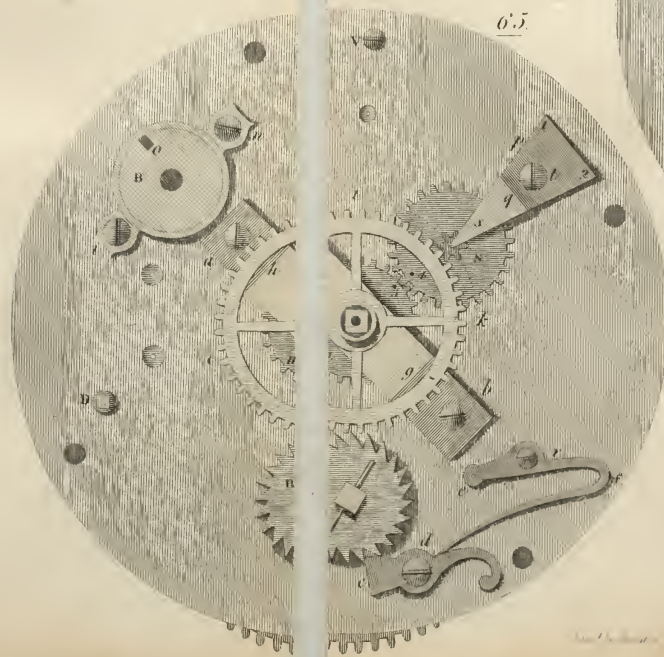
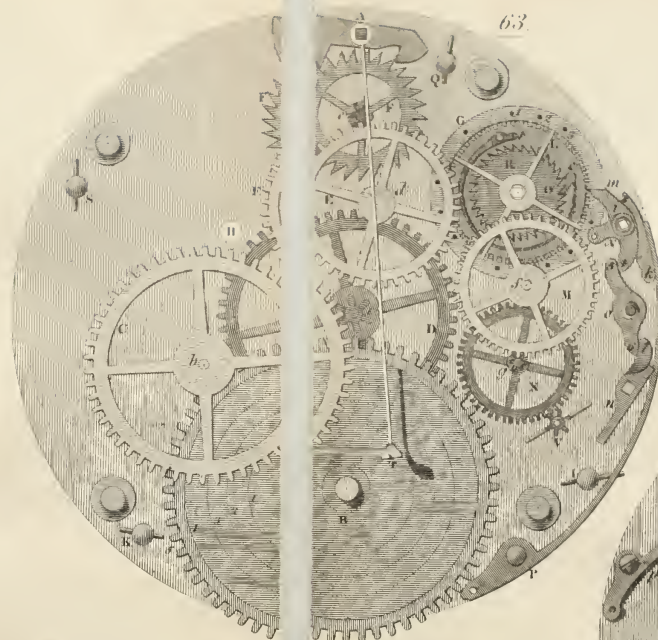


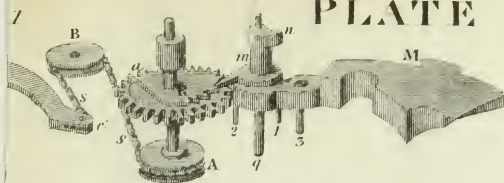
N^o 3.



N^o 4.



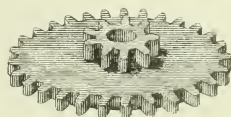




68

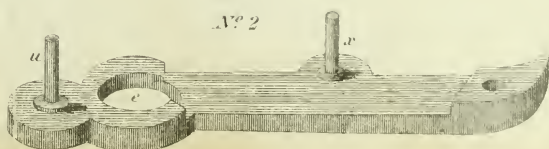


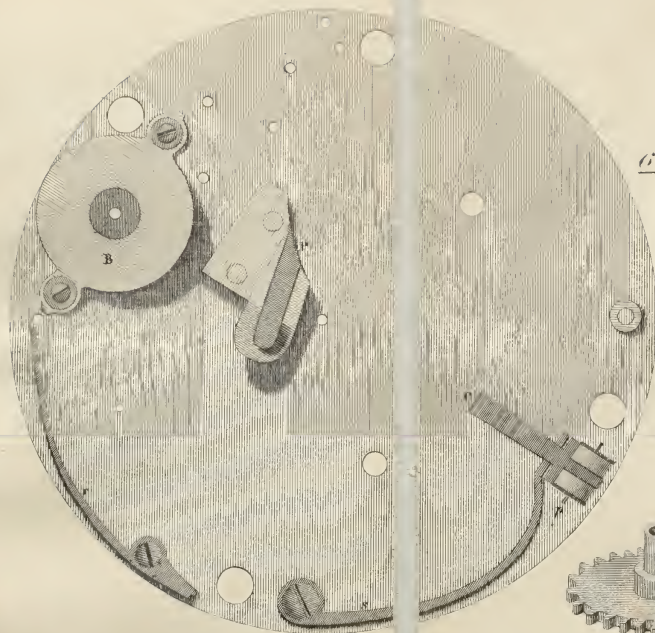
N^o 5



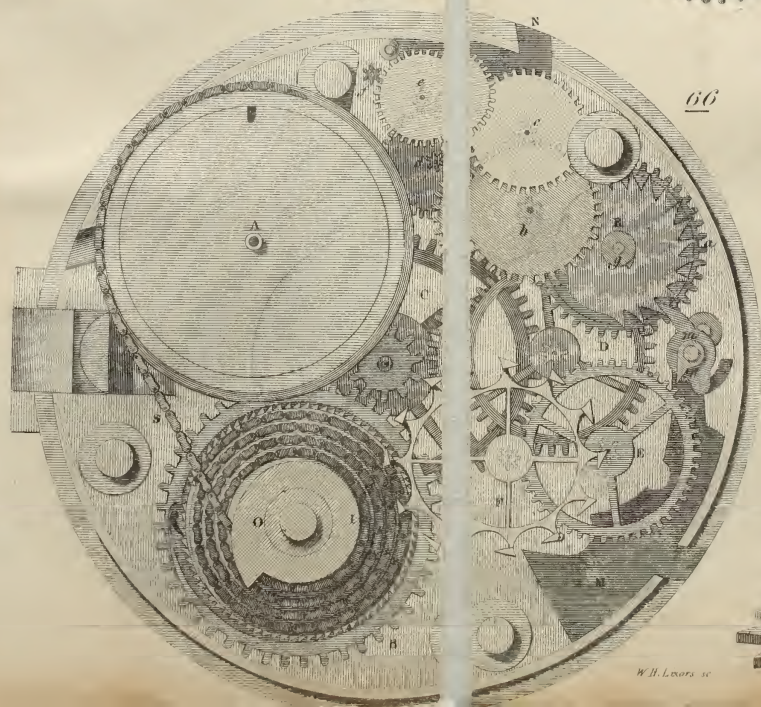
Vol. 3

N^o 2

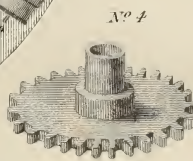




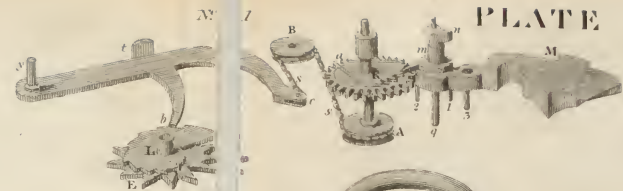
67



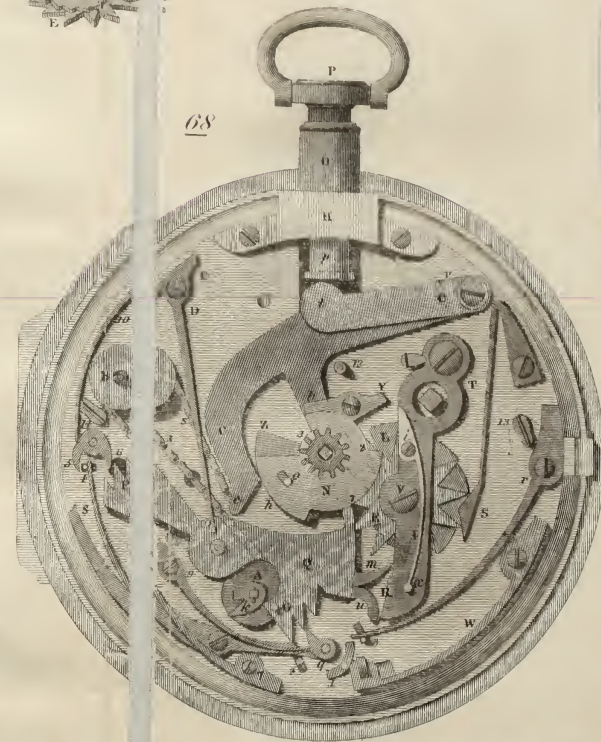
66



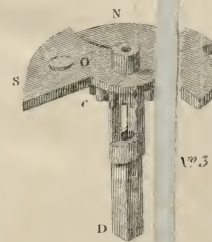
A^o 4



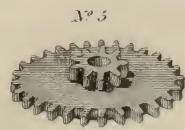
A^o 1



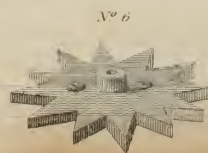
68



A^o 3



A^o 5



A^o 6



A^o 2

Bals. 80

70

60

50

40

30

20

10

0

10

Celsius or Centigrade

Freezes

24 74 75 Maxed

Redamur

A

B

C

D

S

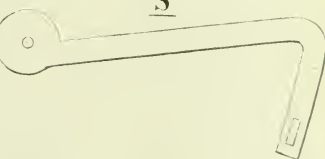
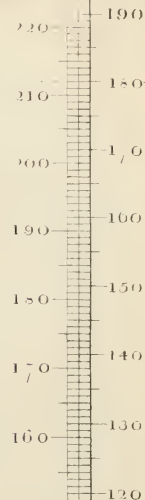


Fig. 222

Fahrenheit scale
as commonly made



Water 210 Beils

Formula

F Stands for Fahrenheit

C for Centigrade

R for Reaumur

given	required	Solution
F	C	$C = F - 32 \times 5 \div 9$
F	R	$R = F - 32 \times 4 \div 9$
C	F	$F = C \times 9 \div 5 + 32$
C	R	$R = C \times 4 \div 5$
R	F	$F = R \times 9 \div 4 + 32$
R	C	$C = R \times 5 \div 4$

An Example of each case

Case 1 st	95 F - $32 \times 5 \div 9 = 35$ C
2 ^d	95 F - $32 \times 4 \div 9 = 28$ R
3 ^d	40 C $\times 9 \div 5 + 32 = 104$ F
4 th	40 C $\times 4 \div 5 = 32$ R
5 th	20 R $\times 9 \div 4 + 32 = 77$ F
6 th	20 R $\times 5 \div 4 = 25$ C

Fever 110 Heat

Blood 100 Heat

Very 80 Warm

Agreeable 70

Temp 50 erate

Water 30 Freezes

Mixture of 0 Snow & Salt

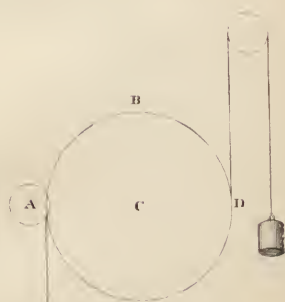
Water 100

Beils 80

Fahrenheit

Centigrade

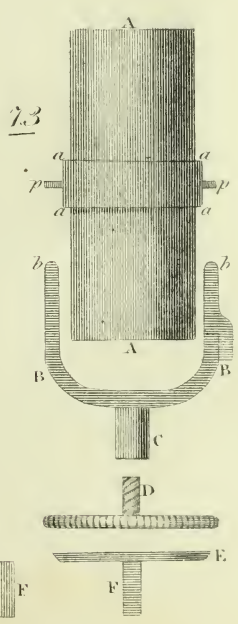
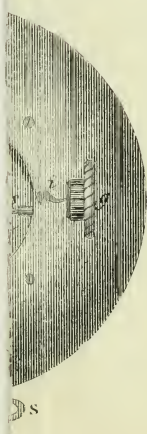
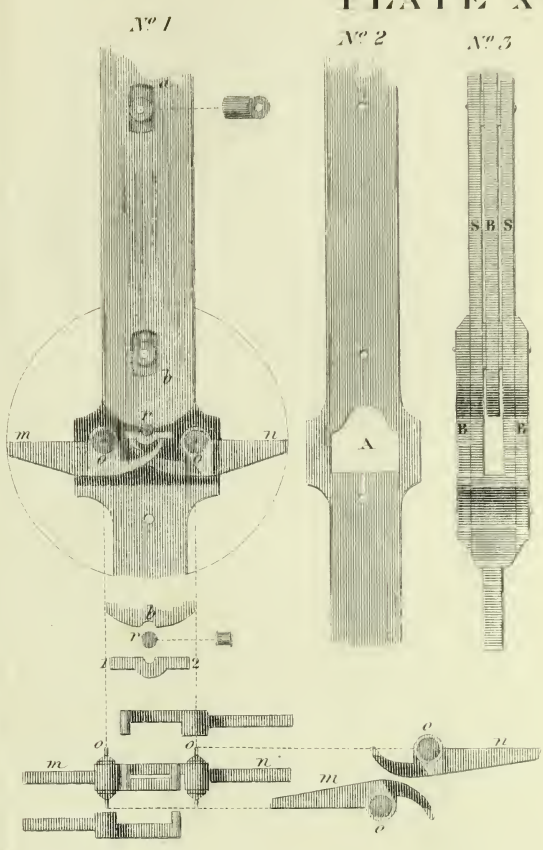
Reaumur

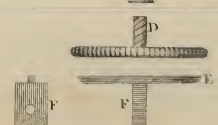
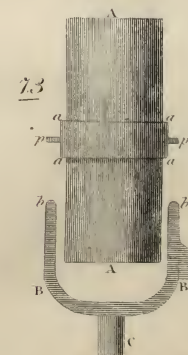
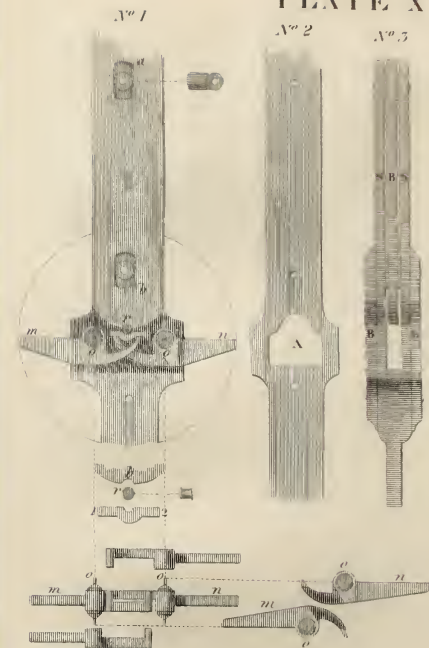
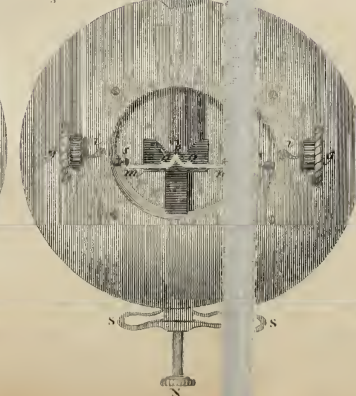
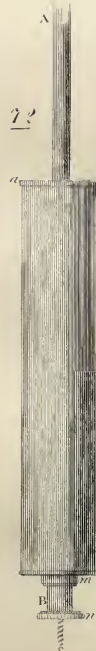
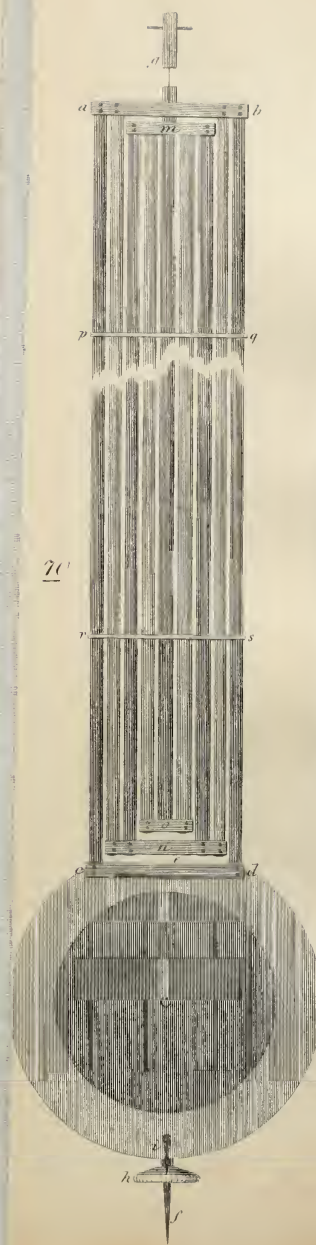
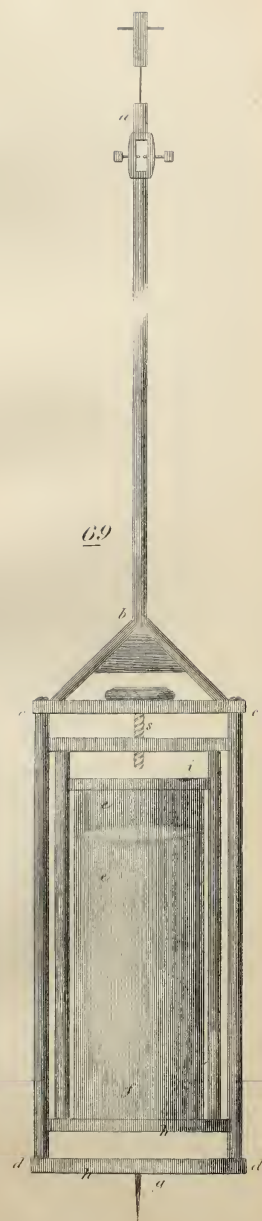


S

222

PLATE XV

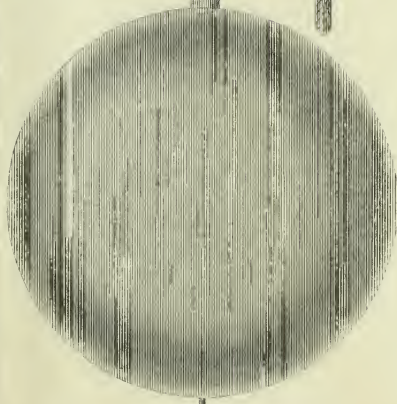






75

76



N^o 3.



N^o 4.



N^o 5



77

N^o 2



N^o 1



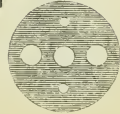
N^o 6



N^o 5

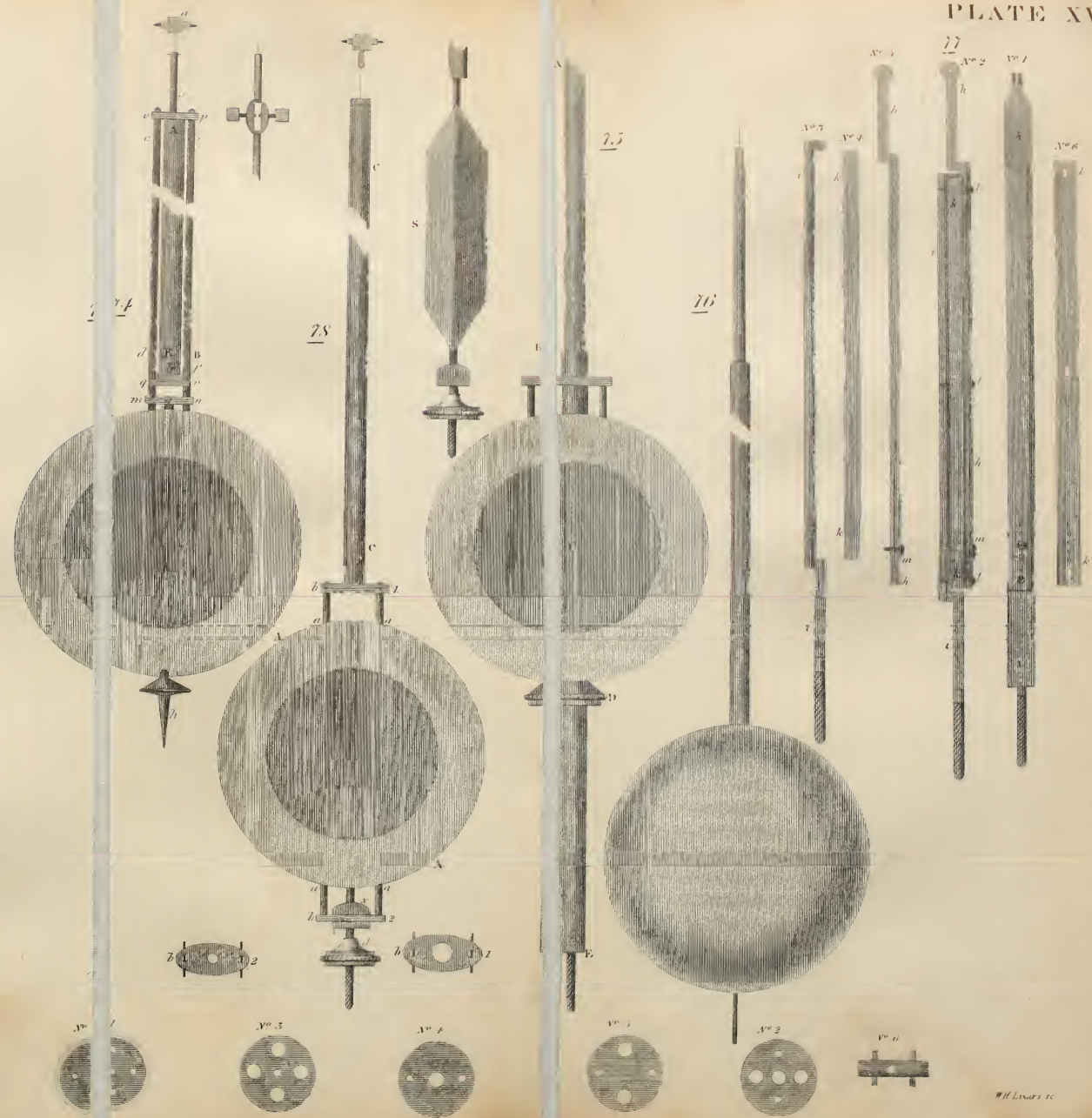


N^o 2

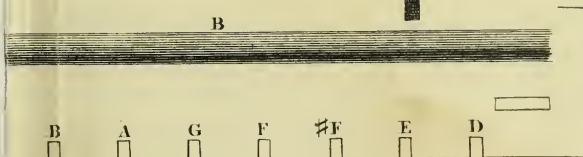
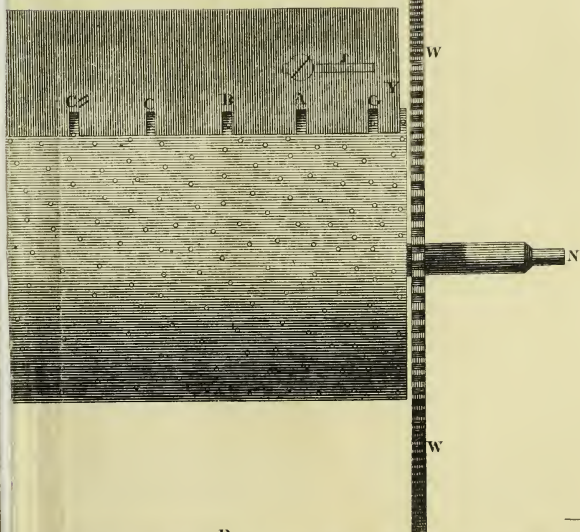
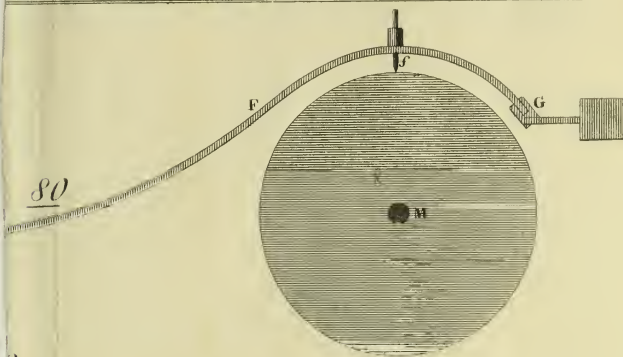
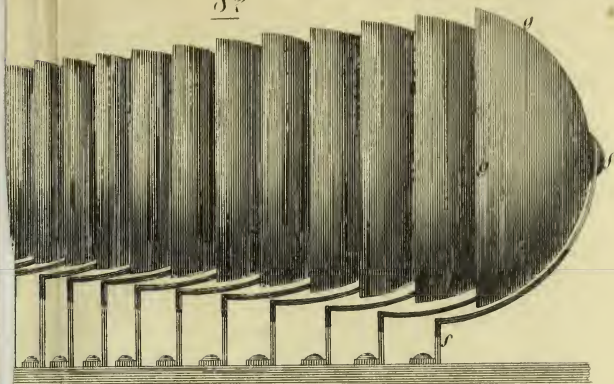


N^o 6





82



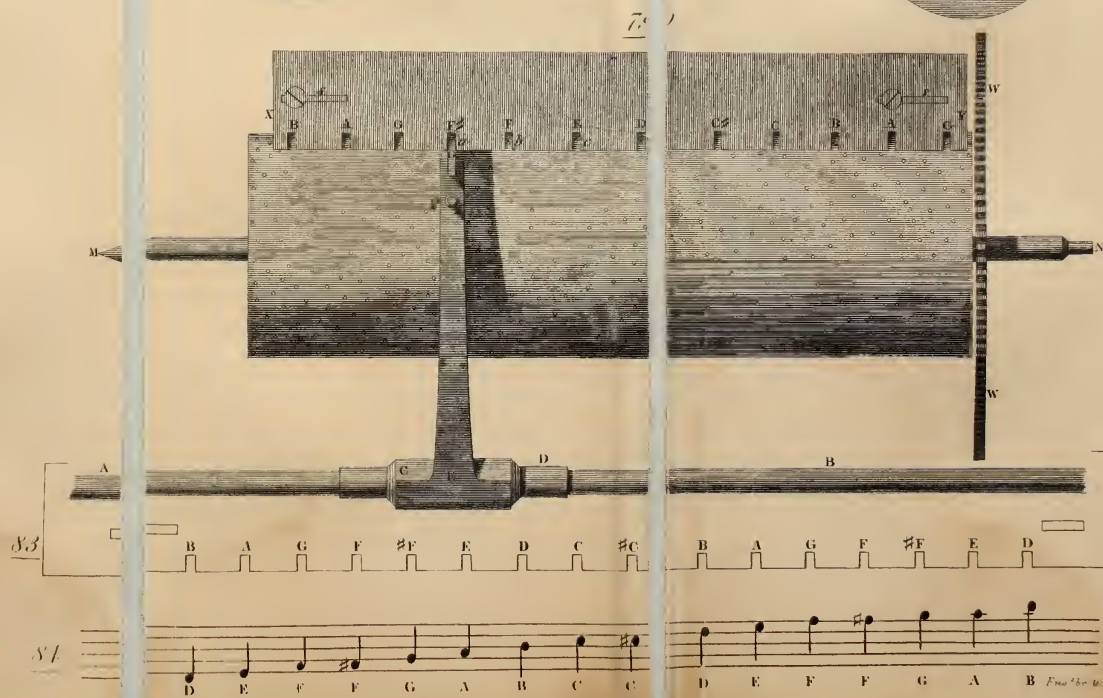
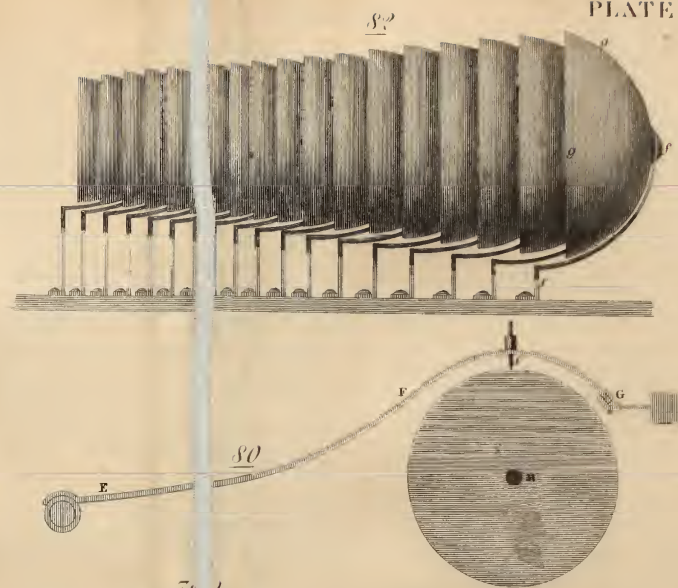
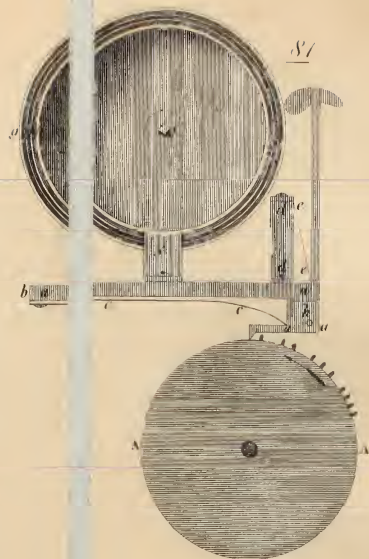


PLATE XVIII.

Fig. M.



Fig. S.

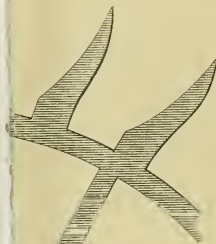
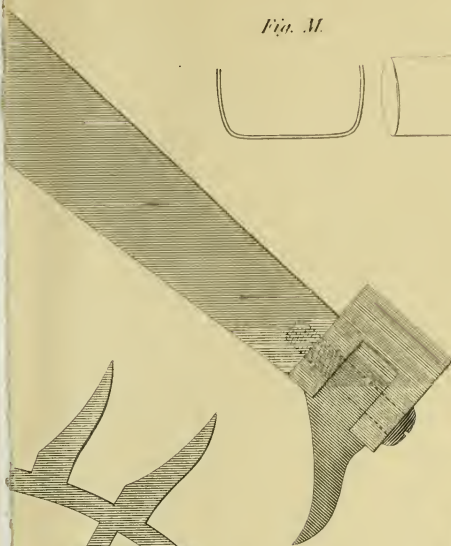
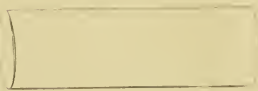


Fig. 3.

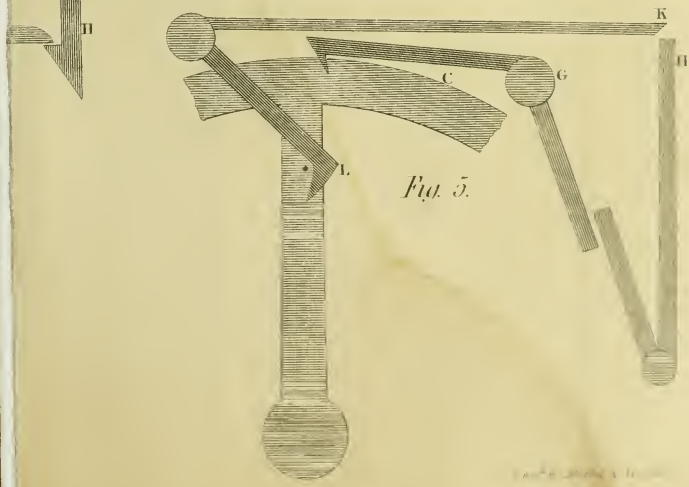
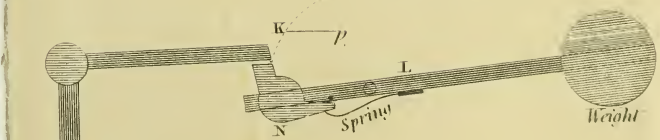
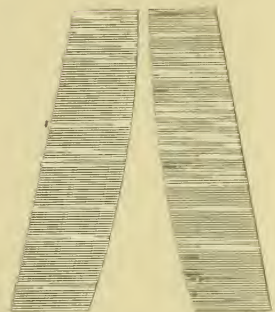


Fig. 5.

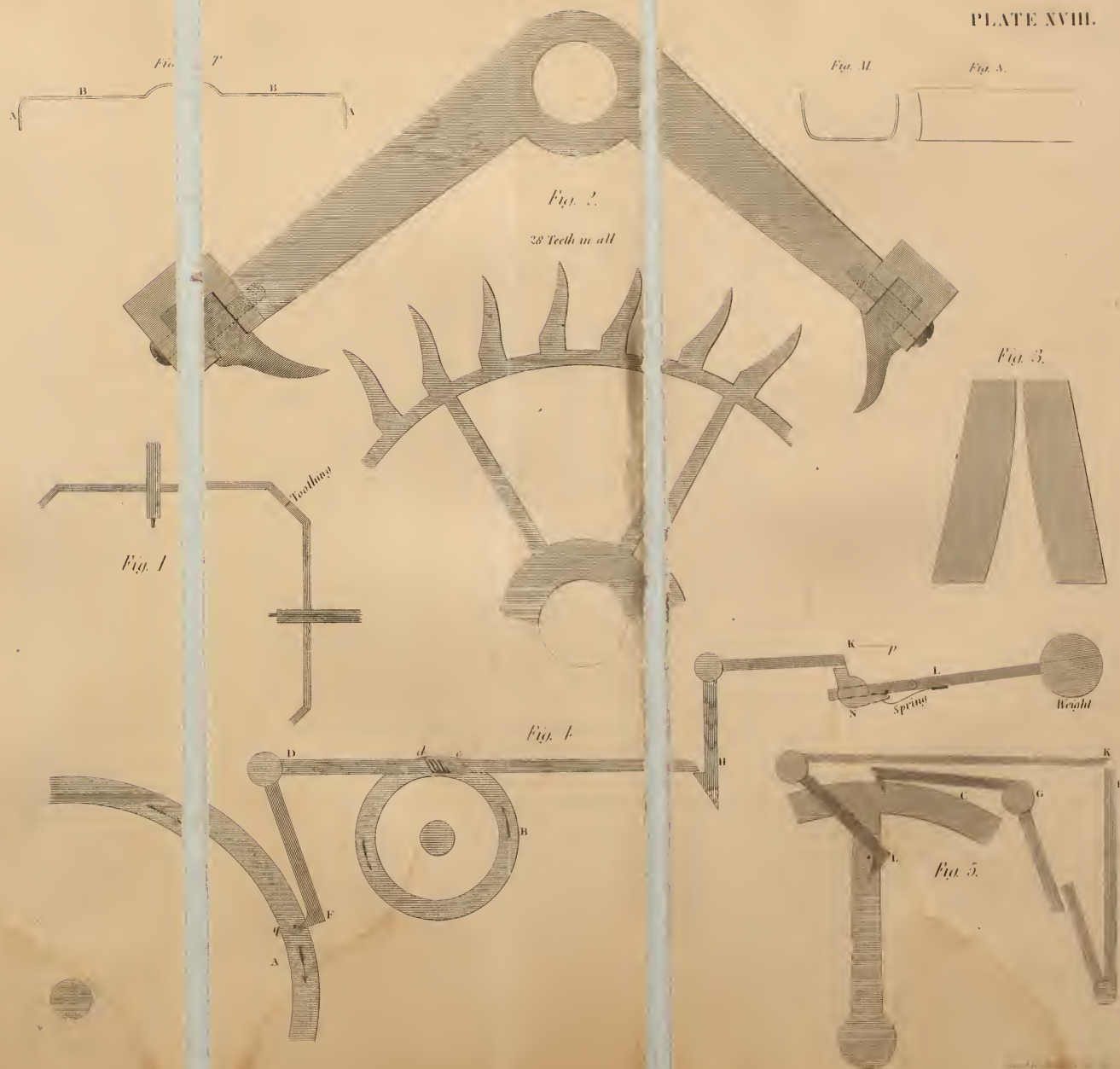


Fig. 3.

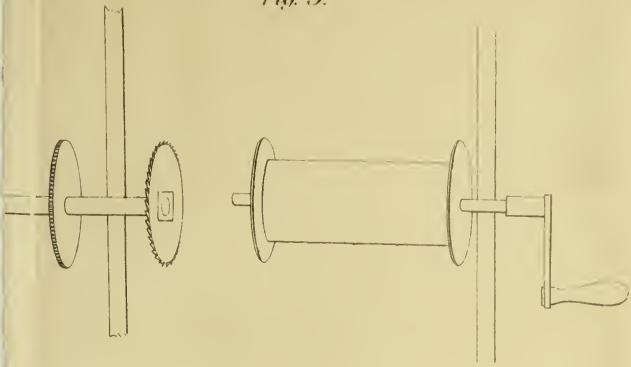


Fig. 2.

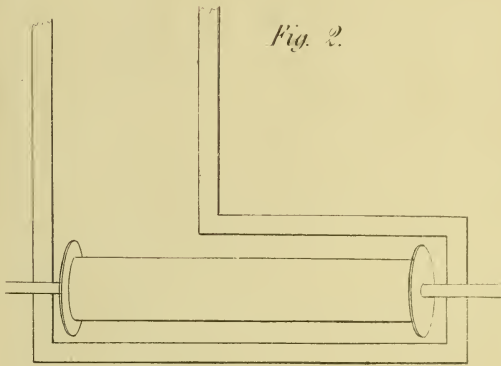


Fig. 7.

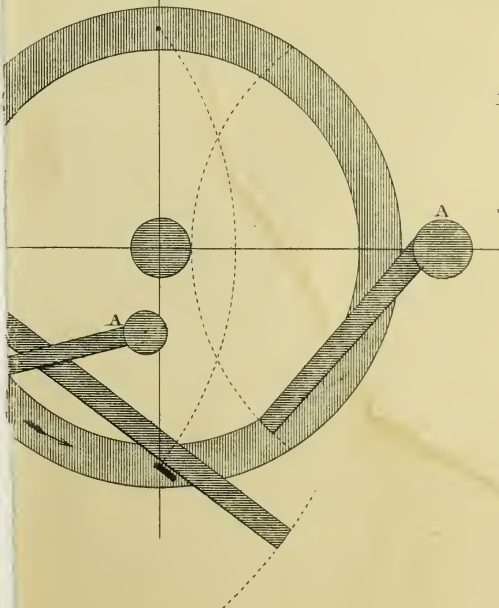
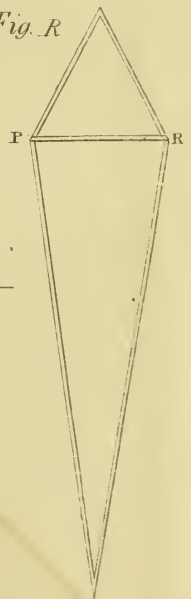


Fig. R.





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